

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

249.61

252.34

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

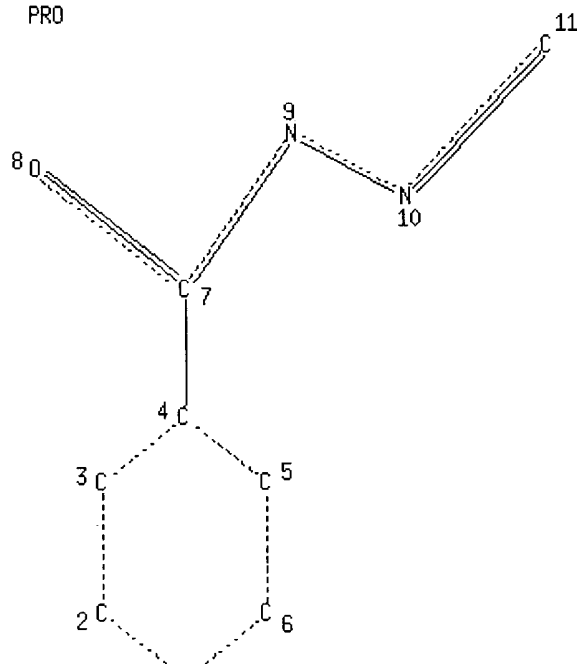
L4 STRUCTURE UPLOADED

=> d l4

L4 HAS NO ANSWERS

L4 STR

PRO



Page 1-A

N
1

Page 2-A

NODE ATTRIBUTES:

NSPEC IS R AT 1
 NSPEC IS R AT 2
 NSPEC IS R AT 3
 NSPEC IS R AT 4
 NSPEC IS R AT 5
 NSPEC IS R AT 6
 NSPEC IS C AT 7
 NSPEC IS C AT 8
 NSPEC IS C AT 9
 NSPEC IS C AT 10
 NSPEC IS RC AT 11
 DEFAULT MLEVEL IS ATOM
 MLEVEL IS CLASS AT 7 8 9 10 11
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
 NUMBER OF NODES IS 11

STEREO ATTRIBUTES: NONE

=> s 14

SAMPLE SEARCH INITIATED 11:42:10 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 899 TO ITERATE

100.0% PROCESSED 899 ITERATIONS 50 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 16182 TO 19778
 PROJECTED ANSWERS: 5126 TO 7234

L5 50 SEA SSS SAM L4

=> s 14 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
 FULL SEARCH INITIATED 11:42:17 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 18591 TO ITERATE

100.0% PROCESSED 18591 ITERATIONS 6164 ANSWERS
 SEARCH TIME: 00.00.01

L6 6164 SEA SSS FUL L4

=> file hcaplu

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	155.84	408.18

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004
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FILE COVERS 1907 - 2 Jun 2004 VOL 140 ISS 23
 FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 16/prep
      3016 L6
      3154329 PREP/RL
L7      953 L6/PREP
          (L6 (L) PREP/RL)
```

```
=> file reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                2.36      410.54
```

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004
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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

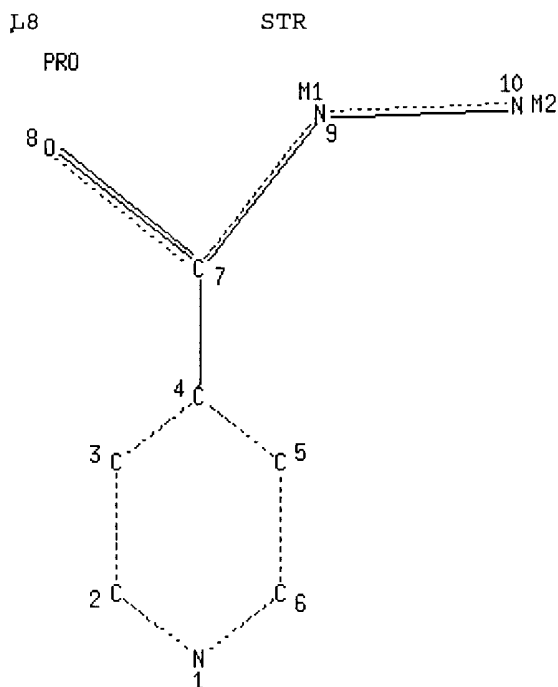
Please note that search-term pricing does apply when conducting SmartSELECT searches.

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
L8      STRUCTURE UPLOADED
```

```
=> d 18
L8 HAS NO ANSWERS
```



NODE ATTRIBUTES:

HCOUNT	IS	M1	AT	9
HCOUNT	IS	M2	AT	10
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	R	AT	5
NSPEC	IS	R	AT	6
NSPEC	IS	C	AT	7
NSPEC	IS	C	AT	8
NSPEC	IS	C	AT	9
NSPEC	IS	C	AT	10

DEFAULT MLEVEL IS ATOM

MLEVEL	IS	CLASS	AT	7	8	9	10
--------	----	-------	----	---	---	---	----

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

=> s 18

SAMPLE SEARCH INITIATED 11:44:43 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1016 TO ITERATE

98.4% PROCESSED 1000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

28 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 18408 TO 22232

PROJECTED ANSWERS: 248 TO 888

L9 28 SEA SSS SAM L8

=> s l8 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 11:44:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 20706 TO ITERATE

100.0% PROCESSED 20706 ITERATIONS 416 ANSWERS
SEARCH TIME: 00.00.01

L10 416 SEA SSS FUL L8

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	156.68	567.22

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004
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FILE COVERS 1907 - 2 Jun 2004 VOL 140 ISS 23
FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10/rct

8358 L10
2626965 RCT/RL
L11 962 L10/RCT
(L10 (L) RCT/RL)

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED

L5 50 S L4
L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004
L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004
L8 STRUCTURE UPLOADED
L9 28 S L8
L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004
L11 962 S L10/RCT

=> s l11 and l7
L12 504 L11 AND L7

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.36	569.58

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004
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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e alkanol/cn

E1	1	ALKANNIN, DEOXY-/CN
E2	1	ALKANOIC ACIDS/CN
E3	0 -->	ALKANOL/CN
E4	1	ALKANOL 189S/CN
E5	1	ALKANOL 327/CN
E6	1	ALKANOL 3T/CN
E7	1	ALKANOL ACN/CN
E8	1	ALKANOL B/CN
E9	1	ALKANOL BG/CN
E10	1	ALKANOL CNR/CN
E11	1	ALKANOL DOA/CN
E12	1	ALKANOL DW/CN

=> e ethanol/cn

```

E1      1      ETHANOIC ACID MONOMER/CN
E2      1      ETHANOIC ANHYDRIDE/CN
E3      1  --> ETHANOL/CN
E4      1      ETHANOL (((ME)2N(CH2CH2O))4SI), 2-(DIMETHYLAMINO)-, SILICATE
           /CN
E5      1      ETHANOL (1,2-DICHLORO-1,2,2-TRIFLUORO-), SULFUR COMPLEX/CN
E6      1      ETHANOL (BROMOACETYL)CARBAZATE/CN
E7      1      ETHANOL (C2H5OD)/CN
E8      1      ETHANOL (COMPD. WITH H2PTCL4 (2:1)), 2-AMINO-/CN
E9      1      ETHANOL 2,2'-((1-METHYL-5-NITRO-2-BENZIMIDAZOLYL)METHYLIMINO
           )DI-, HYDROCHLORIDE/CN
E10     1      ETHANOL ACYLTRANSFERASE/CN
E11     1      ETHANOL AMINE-MALEIC ANHYDRIDE-STYRENE-TRIETHYLENETETRAMINE
           POLYMER/CN
E12     1      ETHANOL ANION RADICAL/CN

```

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	570.00

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004
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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	570.42

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004
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FILE COVERS 1907 - 2 Jun 2004 VOL 140 ISS 23
FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED
L2 2 S L1
L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED
L5 50 S L4
L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED
L9 28 S L8
L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT
L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004

E ALKANOL/CN
E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.36	572.78

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004

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 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Experimental and calculated property data are now available. For more
 information enter [HELP PROP](#) at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e ethanol/cn

E1	1	ETHANOIC ACID MONOMER/CN
E2	1	ETHANOIC ANHYDRIDE/CN
E3	1 -->	ETHANOL/CN
E4	1	ETHANOL (((ME)2N(CH2CH2O))4SI), 2-(DIMETHYLAMINO)-, SILICATE /CN
E5	1	ETHANOL (1,2-DICHLORO-1,2,2-TRIFLUORO-), SULFUR COMPLEX/CN
E6	1	ETHANOL (BROMOACETYL)CARBAZATE/CN
E7	1	ETHANOL (C2H5OD)/CN
E8	1	ETHANOL (COMPD. WITH H2PTCL4 (2:1)), 2-AMINO-/CN
E9	1	ETHANOL 2,2'-(1-METHYL-5-NITRO-2-BENZIMIDAZOLYL)METHYLIMINO)DI-, HYDROCHLORIDE/CN
E10	1	ETHANOL ACYLTRANSFERASE/CN
E11	1	ETHANOL AMINE-MALEIC ANHYDRIDE-STYRENE-TRIETHYLENETETRAMINE POLYMER/CN
E12	1	ETHANOL ANION RADICAL/CN

=> s e3

L13 1 ETHANOL/CN

=> d l13

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 64-17-5 REGISTRY

CN **Ethanol (9CI)** (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ethyl alcohol (6CI, 7CI, 8CI)

OTHER NAMES:

CN 100C.NPA

CN AHD 2000

CN Alcare Hand Degermer

CN Alcohol

CN Alcohol anhydrous

CN Algrain

CN Anhydrol

CN Anhydrol PM 4085

CN Desinfektol EL

CN Duplicating Fluid 100C.NPA

CN Esumiru WK 88

CN Ethicap

CN Ethyl hydrate

CN Ethyl hydroxide

CN Hinetoless

CN IMS 99

CN Infinity Pure
 CN Jaysol
 CN Jaysol S
 CN Lux
 CN Methylcarbinol
 CN Molasses alcohol
 CN NSC 85228
 CN Potato alcohol
 CN SDA 3A
 CN SDA 40-2
 CN Sekundasprit
 CN SY Fresh M
 CN Synasol
 CN Tecsol
 CN Tecsol C
 FS 3D CONCORD
 DR 8000-16-6, 8024-45-1, 121182-78-3
 MF C2 H6 O
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB,
 CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB,
 DDFU, DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
 ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
 IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
 PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2,
 USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent;
 Preprint; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role
 in record)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); CMBI (Combinatorial study); FORM
 (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)

H₃C-CH₂-OH

***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

170127 REFERENCES IN FILE CA (1907 TO DATE)

1212 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

170337 REFERENCES IN FILE CAPLUS (1907 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED

L5 50 S L4

L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED

L9 28 S L8

L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT

L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004

E ALKANOL/CN

E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004

E ETHANOL/CN

L13 1 S E3

=> s l13 and l12

'RCT' IS NOT A VALID CROSSOVER QUALIFIER FOR & H

Answer sets created in a different file may be field qualified with a limited set of qualifiers. Enter HELP CROSSOVER at an arrow prompt (=>) for specific information.

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.62

579.40

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004

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FILE COVERS 1907 - 2 Jun 2004 VOL 140 ISS 23
FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

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=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED
L2 2 S L1
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FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED
L5 50 S L4
L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED
L9 28 S L8
L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT
L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004

E ALKANOL/CN
E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004

E ETHANOL/CN
L13 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004

> s l13 and l12
 170507 L13
 L14 4 L13 AND L12

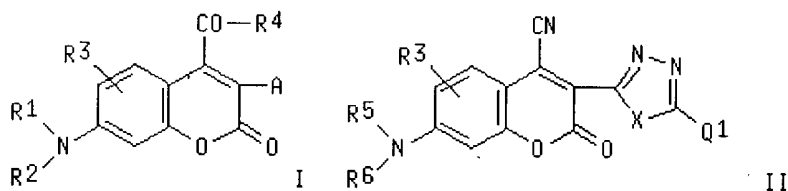
=> d l14, ibib abs hitstr, 1-4

L14 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

ACCESSION NUMBER: 1998:501310 HCAPLUS
 DOCUMENT NUMBER: 129:209331
 TITLE: Coumarin compound, photosensitizer containing it, and visible light-curable photosensitive composition, ink, and material containing it
 INVENTOR(S): Suzuki, Rihoko; Otsuji, Akio; Urakami, Tatsunobu; Takuma, Keisuke
 PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10204085	A2	19980804	JP 1997-15297	19970129
PRIORITY APPLN. INFO.:			JP 1997-15297	19970129
OTHER SOURCE(S):		MARPAT 129:209331		
GI				



AB The coumarin compd. comprises I or II [R1, R2, R5, R6 = H, (substituted) (O-contg.) alkyl, aryl, alkenyl; R1 and R2 and/or R5 and R6 may form a ring each other or with amino-substituted benzene ring in the skeleton; R3 = H, halo, OH, SO3H, (substituted) alkyl, alkoxy, aryloxy, alkylthio, arylthio; R4 = OH, amino, (substituted) (O-contg.) alkyl-, aryl-, or alkenyl-contg. alkoxy, aryloxy, alkenyloxy, alkylamino, arylamino, alkenylamino; A = (substituted) 2-(1,3,4-oxadiazolyl), 2-(1,3,4-thiadiazolyl); Q1 = amino, (substituted) alkyl, aryl, alkenyl, heterocycle, alkylamino, arylamino, alkenylamino; X = O, S]. The photosensitizer contains I and/or II. The photosensitive compn. contains the photosensitizer. The photosensitive ink contains the compn. and a solvent. The photosensitive material comprises a substrate coated with the compn. The coumarin compd. shows high compatibility to base polymers and high sensitivity to emissions of visible lasers, e.g. Ar lasers and YAG lasers.

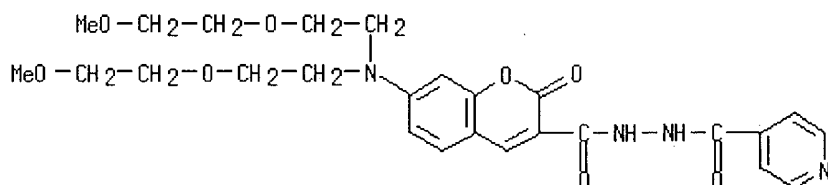
IT 212011-53-5P

RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(coumarin compd., photosensitizer visible light-curable photosensitive compn.)

RN 212011-53-5 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-[[7-[bis[2-(2-methoxyethoxy)ethyl]amino]-2-oxo-2H-1-benzopyran-3-yl]carbonyl]hydrazide (9CI) (CA INDEX NAME)



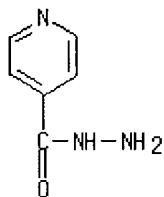
IT 54-85-3, Isonicotinic acid hydrazide 64-17-5, Ethanol, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)

(coumarin compd., photosensitizer visible light-curable photosensitive compn.)

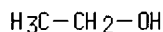
RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



RN 64-17-5 HCAPLUS

CN Ethanol (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 1993:590667 HCAPLUS

DOCUMENT NUMBER: 119:190667

TITLE: Electrochemical oxidation of niazid and isoniazid at mercury electrodes. Influence of the adsorption of the reaction product on the polarographic and voltammetric curves

AUTHOR(S): Rodriguez Mellado, J. M.; Angulo, M.; Marin Galvin, R.

CORPORATE SOURCE: Fac. Cienc., Univ. Cordoba, Cordoba, 14004, Spain

SOURCE: Journal of Electroanalytical Chemistry (1993), 352(1-2), 253-65

CODEN: JECHES; ISSN: 0368-1874

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The electrochem. oxidn. of niazid and isoniazid, at Hg electrodes, was studied by d.c. and differential pulse polarog. and linear-sweep cyclic voltammetry at pH 6-13. At pH >8.5, the pos. scans show a prewave, in addn. to the main oxidn. wave, which can be suppressed by changing exptl. variables such as the concn., temp., and EtOH content in the medium. In the absence of the prewave, Tafel slopes and reaction orders were obtained at the potentials corresponding to the foot of the polarog. waves. On the basis of polarog., voltammetric, and kinetic results and taking into account the literature data, the oxidn. processes were found to be of the

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NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS 5 FEB 05 German (DE) application and patent publication number format changes
NEWS 6 MAR 03 MEDLINE and LMEADLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
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NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available
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NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN
NEWS 21 May 27 STN User Update to be held June 7 and June 8 at the SLA 2004 Conference
NEWS 22 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CAPLUS
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FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> file casreact		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.52	2.73

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FILE CONTENT:1840 - 30 May 2004 VOL 140 ISS 22

Some records from 1974 to 1991 are derived from the ZIC/VINITI data file
 and provided by InfoChem and some records are produced using some INPI
 data from the period prior to 1986.

This file contains CAS Registry Numbers for easy and accurate substance
 identification.

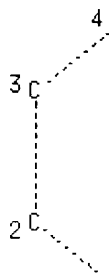
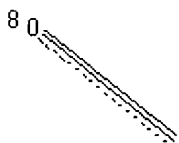
Crossover limits have been increased. See HELP RNCROSSOVER for details.

Structure search limits have been raised. See HELP SLIMIT for the new,
 higher limits.

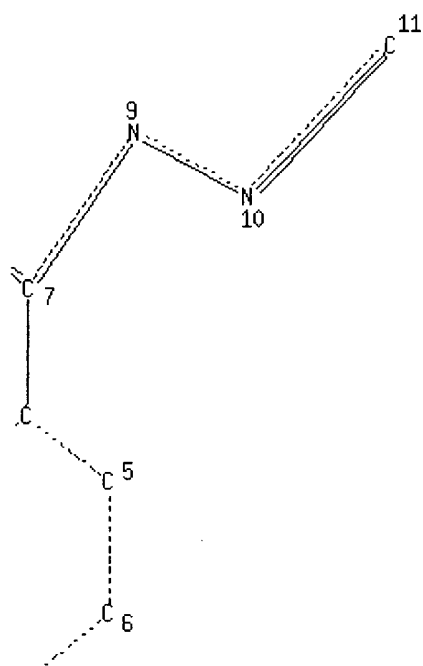
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=> d 11
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 L1 STR

PR0

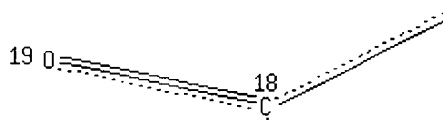


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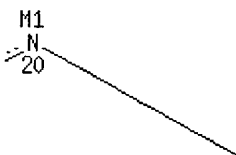


Page 1-D

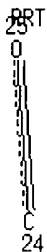
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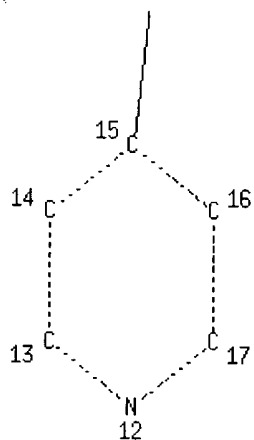
Page 2-C



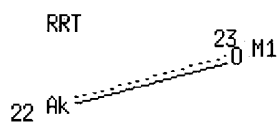
Page 2-D



Page 3-A



Page 3-C



Page 3-D

NODE ATTRIBUTES:

HCOUNT	IS	M1	AT	20
HCOUNT	IS	M2	AT	21
HCOUNT	IS	M1	AT	23
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	R	AT	5
NSPEC	IS	R	AT	6
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NSPEC	IS	C	AT	8
NSPEC	IS	C	AT	9
NSPEC	IS	C	AT	10
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DEFAULT MLEVEL IS ATOM

MLEVEL	IS	CLASS	AT	7	8	9	10	11	18	19	20	21	22	23	24	25
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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 12

L2 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 11

SAMPLE SEARCH INITIATED 11:26:39 FILE 'CASREACT'

SCREENING COMPLETE - 50 REACTIONS TO VERIFY FROM 13 DOCUMENTS

100.0% DONE 50 VERIFIED 10 HIT RXNS 2 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 576 TO 1424

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1 (10 REACTIONS)

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'CASREACT' IS 102.30 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 11:26:44 FILE 'CASREACT'

SCREENING COMPLETE - 926 REACTIONS TO VERIFY FROM 225 DOCUMENTS

100.0% DONE 926 VERIFIED 81 HIT RXNS 36 DOCS
SEARCH TIME: 00.00.01

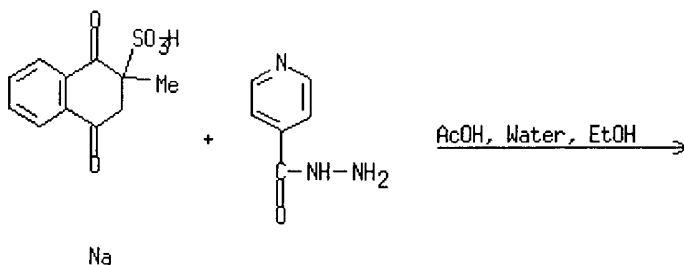
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=> d 13, crd bib, 1-36

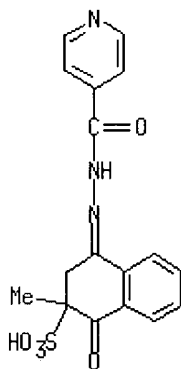
L3 ANSWER 1 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
References

RX(3) OF 4



RX(3) OF 4

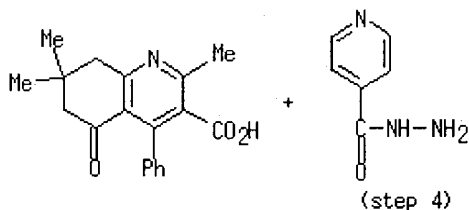
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AN 139:245804 CASREACT
 TI Preparation and characterization of soluble vitamin K3 Schiff base
 AU Tang, Huian; Yang, Sheng; Wang, Zhihui; Yang, Rudong
 CS Dept. of Chemistry, Tianshui Normal Univ., Tianshui, 741018, Peop. Rep. China
 SO Huaxue Shiji (2003), 25(2), 93-94
 CODEN: HUSHDR; ISSN: 0258-3283
 PB Huagongbu Huaxue Shiji Xinsizhan
 DT Journal
 LA Chinese

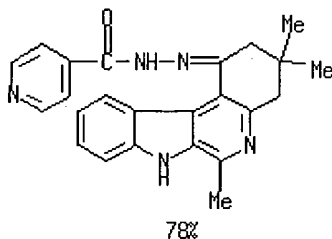
L3 ANSWER 2 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(64) OF 82 - 4 STEPS



- 1.1. $(\text{PhO})_2\text{P}(\text{O})\text{Cl}$,
Dioxane
- 1.2. Et_3N
- 1.3. Water
- 2.1. HCl , Water
- 2.2. NaNO_2 , Water
- 2.3. p -Tosylamide,
 NaOH , Water
3. Dodecane, Xylene
4. EtOH



NOTE: 3) thermal

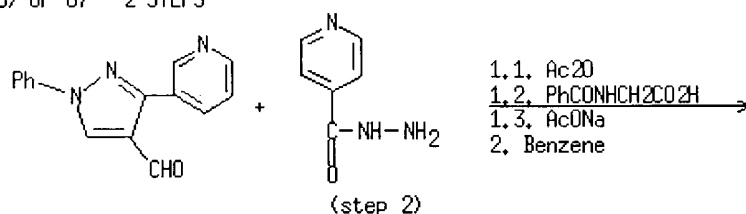
AN 139:101049 CASREACT
 TI Tetracyclic β -carboline. The neuroprotector carbacetam, its derivatives and independent synthesis
 AU Kibalny, A. V.; Nikolukin, Yu. A.; Dulenko, V. I.
 CS Inst. Fiz.-Org. Khim. Ugilekhim. im. L. M. Litvinenko, NAN Ukr., Ukraine

SO Fiziologichno Aktivni Rechevini (2002), (2), 23-29
 CODEN: FARICW
 PB Natsional'na Farmatsevtichna Akademiya Ukraini
 DT Journal
 LA Russian

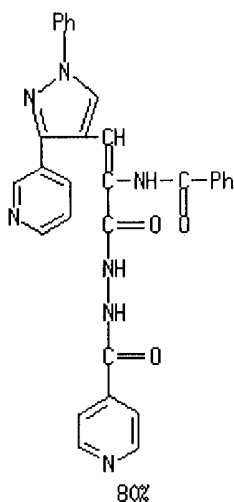
L3 ANSWER 3 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
 References

RX(53) OF 87 - 2 STEPS



RX(53) OF 87 - 2 STEPS

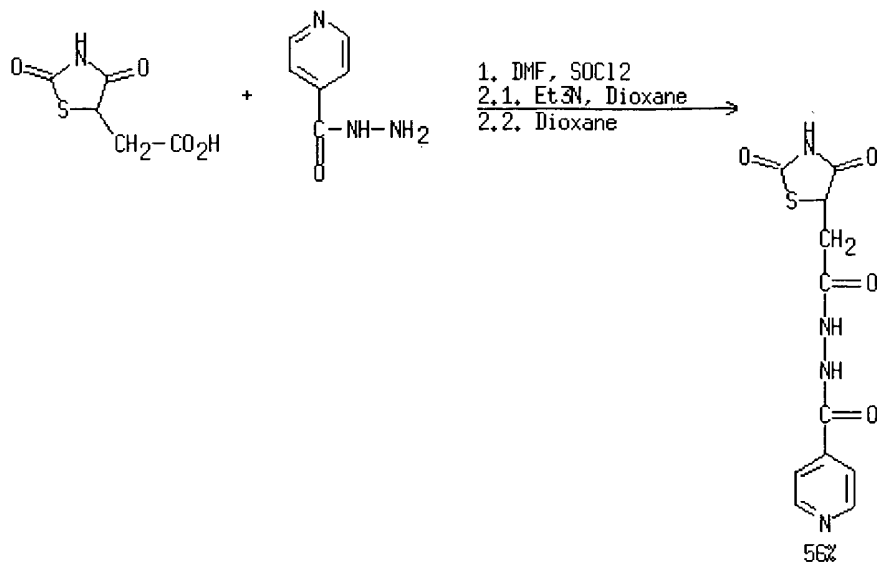


AN 138:221512 CASREACT
 TI Amides and hydrazides of 3-{4-[3-(pyridyl-3)]pyrazole}acrylic acids
 AU Bratenko, M. K.; Chornous, V. O.; Vovk, M. V.
 CS Bukovins'ka Derzh. Med. Akad., Chernovtsy, Ukraine
 SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (2002), 68(7-8), 46-49
 CODEN: UKZHAU; ISSN: 0041-6045
 PB Institut Obshchei i Neorganicheskoi Khimii im. V. I. Vernadskogo NAN
 Ukrainy
 DT Journal
 LA Ukrainian

L3 ANSWER 4 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
 References

RX(36) OF 57 - 2 STEPS



AN 137:232580 CASREACT

TI Synthesis of 2,4-dioxothiazolidine-5-acetic acid and its amides -
perspective synthons for obtaining combinatorial libraries of biologically
active substances

AU Lesyk, R. B.; Zimenkovsky, B. S.; Golota, S. M.; Leb'yak, M. M.

CS L'viv. Derzhavnii Med. univ. im. Danila Galits'kogo, Lvov, Ukraine

SO Farmatsevtichnii Zhurnal (Kiev) (2001), (5), 57-62

CODEN: FRZKAP; ISSN: 0367-3057

PB Zdorov'ya

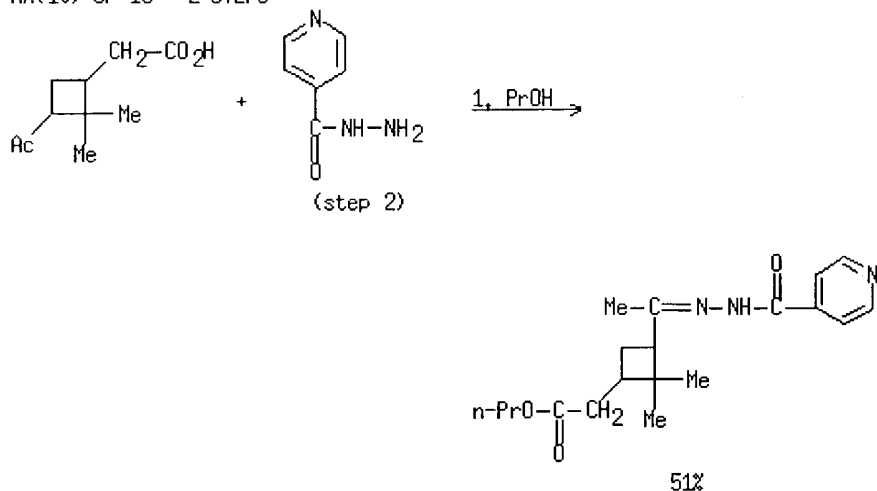
DT Journal

LA Ukranian

L3 ANSWER 5 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full
TextCiting
References

RX(10) OF 15 - 2 STEPS



NOTE: 1) acid catalyst

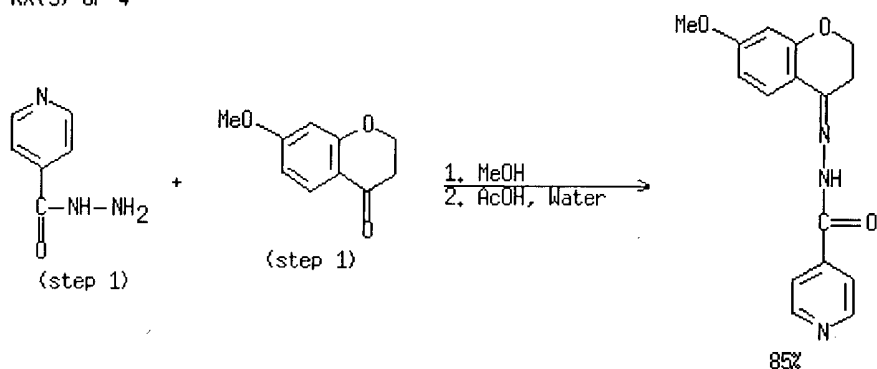
AN 137:217082 CASREACT

TI Synthesis of derivatives of N-propyl pinonate and investigation of their
biological effects

AU Pham, Thi Minh Thuy; Nguyen, Quang Dat; Nguyen, Thi Kim Cuc
 CS Ha Noi College of Pharmacy, Vietnam
 SO Tap Chi Duoc Hoc (2002), (1), 17-19
 CODEN: TCDHDQ; ISSN: 0258-6967
 PB Bo Y Te Xuat Ban
 DT Journal
 LA Vietnamese

L3 ANSWER 6 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

RX(3) OF 4



AN 137:216838 CASREACT
 TI Synthesis of benzodihydropyran derivatives and evaluation of their preliminary biological activities on bone and vascular tissues
 AU Xiong, Xiaoyun; Zou, Yong; Chen, Yaqiong; Gan, Hongquan; Mei, Qibing; Zhao, Dehua
 CS Pharmacology Department, Fourth Military Medical University, Xi'an, 710032, Peop. Rep. China
 SO Yaoxue Xuebao (2001), 36(10), 784-786
 CODEN: YHHPAL; ISSN: 0513-4870
 PB Yaoxue Xuebao Bianjibu
 DT Journal
 LA Chinese

L3 ANSWER 7 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing References

RX(34) OF 69 - REACTION DIAGRAM NOT AVAILABLE

RX(44) OF 69 - REACTION DIAGRAM NOT AVAILABLE

RX(50) OF 69 - REACTION DIAGRAM NOT AVAILABLE

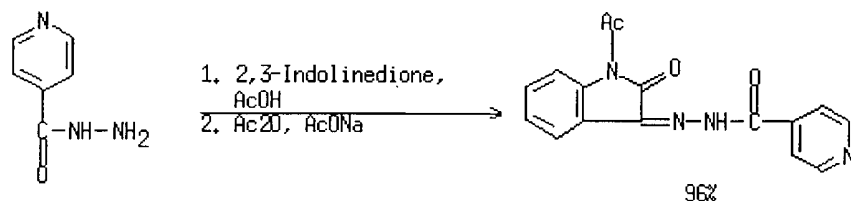
AN 136:401680 CASREACT
 TI A novel synthetic route to 3,5-diaryl-N-formyl-2-pyrazolines
 AU Al-Issa, S. A.; Ghulikah, H. A.
 CS Chemistry Department, Girls' College of Education, Riyadh, 11593, Saudi Arabia
 SO Asian Journal of Chemistry (2002), 14(1), 16-22
 CODEN: AJCHEW; ISSN: 0970-7077
 PB Asian Journal of Chemistry
 DT Journal
 LA English

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(39) OF 52 - 2 STEPS



AN 135:152763 CASREACT

TI Transformation of isatin 3-acylhydrazones under acetylating conditions: synthesis and structure elucidation of 1,5'-disubstituted 3'-acetylspiro[oxindole-3,2'-[1,3,4]oxadiazolines]

AU Somogyi, Laszlo

CS Research Group for Antibiotics, Hungarian Academy of Sciences, Debrecen, H-4010, Hung.

SO Bulletin of the Chemical Society of Japan (2001), 74(5), 873-881
CODEN: BCSJA8; ISSN: 0009-2673

PB Chemical Society of Japan

DT Journal

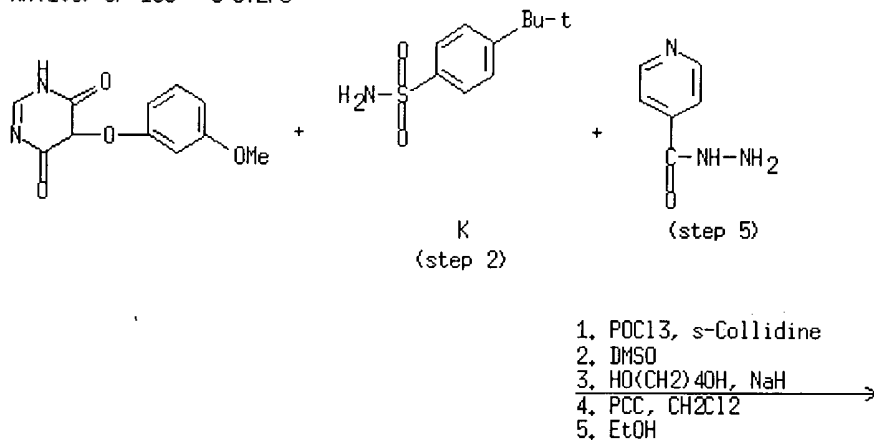
LA English

RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

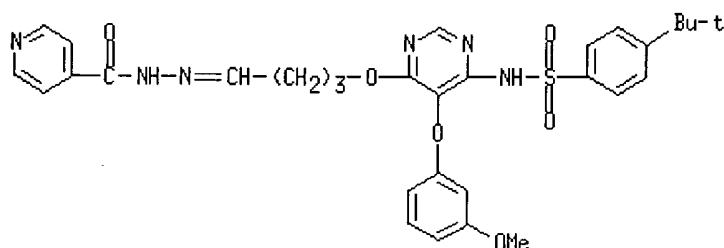
L3 ANSWER 9 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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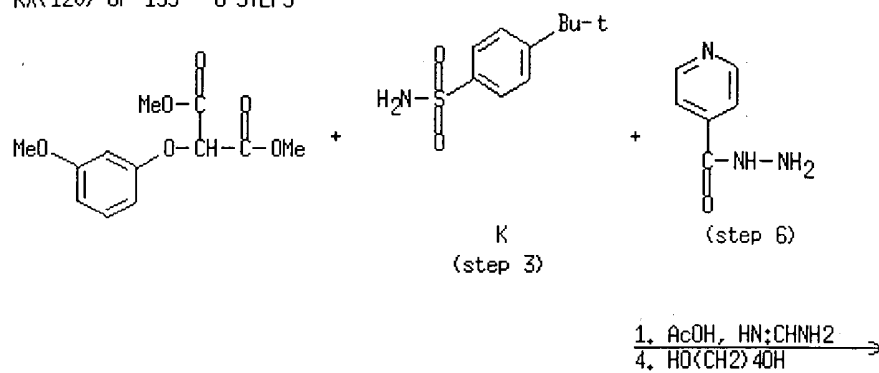
RX(106) OF 135 - 5 STEPS



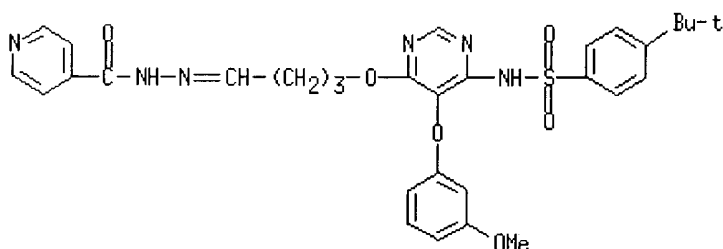
RX(106) OF 135 - 5 STEPS



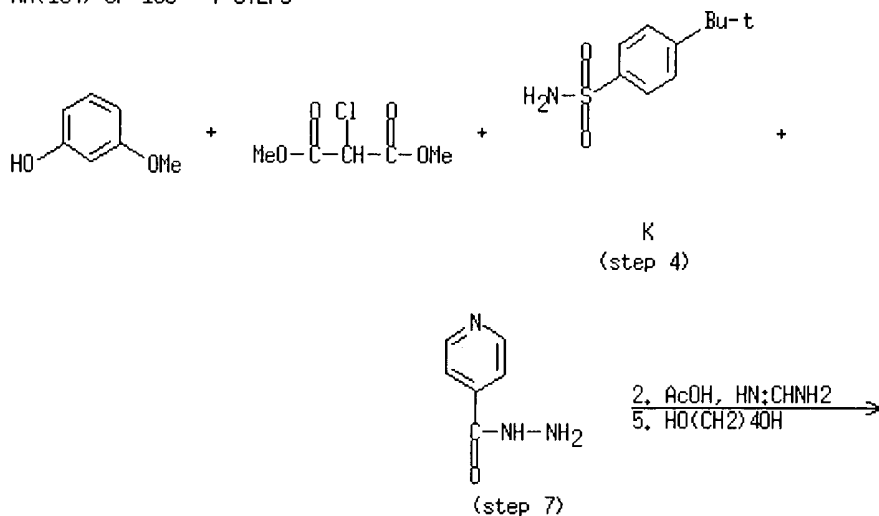
RX(120) OF 135 - 6 STEPS



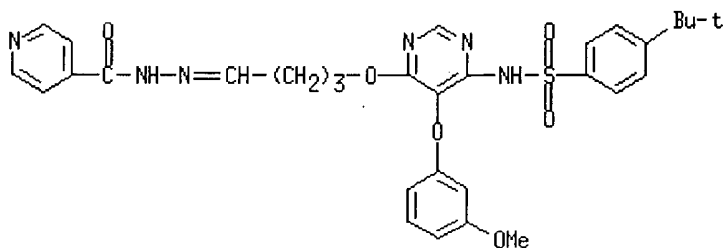
RX(120) OF 135 - 6 STEPS



RX(134) OF 135 - 7 STEPS



RX(134) OF 135 - 7 STEPS



AN 135:131724 CASREACT

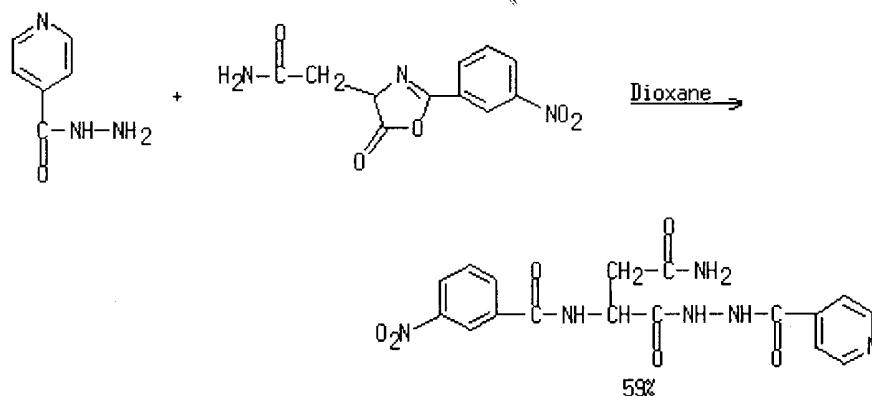
TI Synthesis and structure-activity relationships of potent and orally active
sulfonamide ETB selective antagonists

AU Kanda, Y.; Kawanishi, Y.; Oda, K.; Sakata, T.; Mihara, S.; Asakura, K.;
 Kanemasa, T.; Ninomiya, M.; Fujimoto, M.; Konoike, T.
 CS Shionogi Research Laboratories, Shionogi & Co., Ltd., Fukushima-ku, Osaka,
 553-0002, Japan
 SO Bioorganic & Medicinal Chemistry (2001), 9(4), 897-907
 CODEN: BMECEP; ISSN: 0968-0896
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(2) OF 7



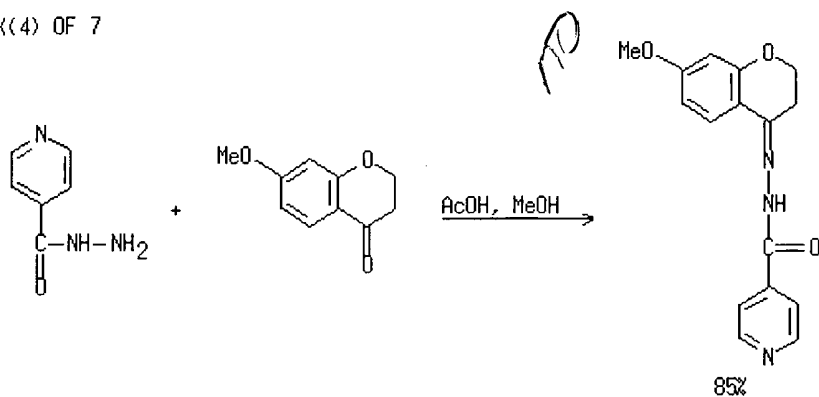
NOTE: stereoselective

AN 135:131717 CASREACT
 TI New hydrazides derived from N-(m-nitrobenzoyl)-D,L-asparagine with
 potential tuberculostatic action
 AU Sunel, V.; Basu, Cristina; Oniscu, C.; Soldea, Camelia
 CS Organic Chemistry Department, Faculty of Chemistry, "Al.I.Cuza"
 University, Iasi, 6600, Rom.
 SO Roumanian Biotechnological Letters (2000), 5(5), 393-398
 CODEN: RBLEFU; ISSN: 1224-5984
 PB Center for Research in Enzymology and Biotechnology, Bucharest University
 DT Journal
 LA English
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

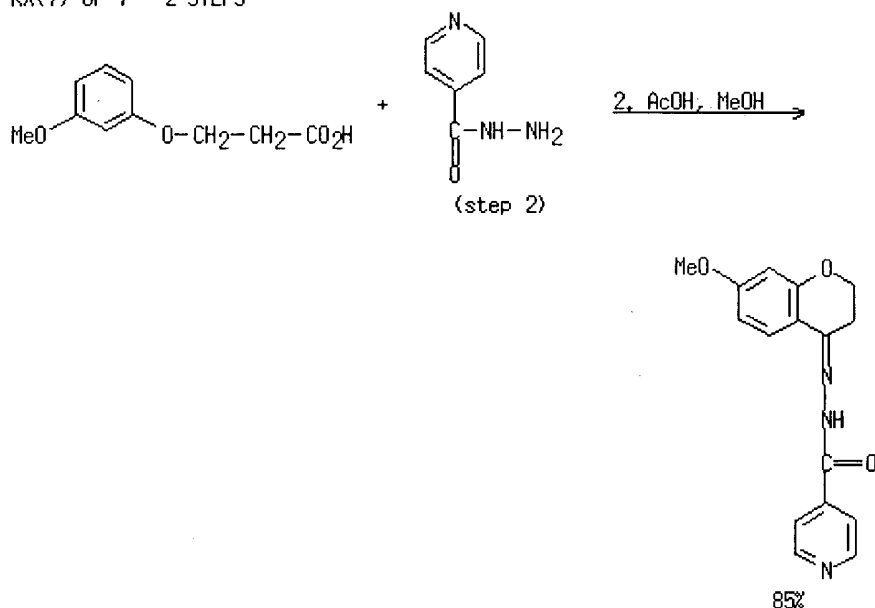
L3 ANSWER 11 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
--------------	----------------------

RX(4) OF 7



RX(7) OF 7 - 2 STEPS



NOTE: 1) polyphosphoric acid

AN 135:76752 CASREACT

TI Synthesis of 2,3-dihydro-7-methoxy-4H-1-benzopyran-4- hydrazone derivatives and preliminary evaluations on their pharmacological activities

AU Xiong, Xiaoyun; Mei, Qibing; Zou, Yong; Gan, Hongquan; Zhao, Minggao; Zhao, Dehua

CS Department of Pharmacology, the Fourth Military Medical University, Xian, 710032, Peop. Rep. China

SO Zhongguo Yaowu Huaxue Zazhi (2000), 10(4), 258-261
CODEN: ZYHZEJ; ISSN: 1005-0108

PB Zhongguo Yaowu Huaxue Zazhi Bianjibu

DT Journal

LA Chinese

L3 ANSWER 12 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
--------------	----------------------

ECE type, where the rate-detg. step was the release of a H⁺ ion from the intermediate formed after 2 reversible 1-electron transfers. The results obtained for the prewave agree with those expected for a process in which the product is more strongly adsorbed than the reactant. The adsorption follows a Langmuir isotherm for which the Gibbs energy of adsorption is potential dependent.

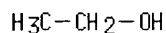
IT 64-17-5, Ethanol, uses

RL: USES (Uses)

(electrooxidn. of niazid and isoniazid at mercury electrodes in soln. contg., adsorption of products in relation to)

RN 64-17-5 HCAPLUS

CN Ethanol (9CI) (CA INDEX NAME)



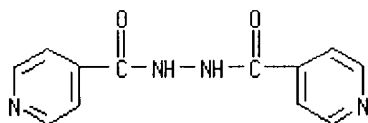
IT 4329-75-3P

RL: FORM (Formation, nonpreparative); **PREP (Preparation)**

(formation of, from electrochem. oxidn. of pyridinecarboxylic acid hydrazide at mercury electrodes)

RN 4329-75-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-(4-pyridinylcarbonyl)hydrazide (9CI) (CA INDEX NAME)



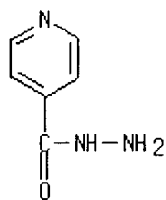
IT 54-85-3, Isoniazid

RL: **RCT (Reactant)**; RACT (Reactant or reagent)

(oxidn. of, at mercury electrodes, adsorption of products in relation to)

RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



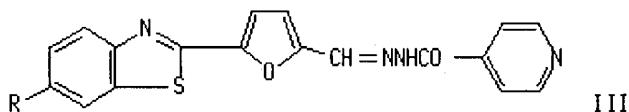
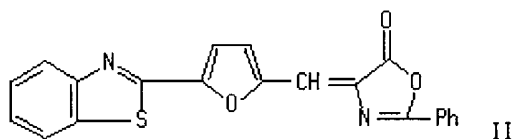
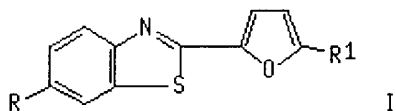
L14 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
Text

Citing
References

ACCESSION NUMBER: 1977:453005 HCAPLUS
DOCUMENT NUMBER: 87:53005
TITLE: Derivatives of furan. XIII. 2-[5'-Formylfuryl(2')]-benzothiazoles
AUTHOR(S): Farcasan, Valer; Paiu, Florica; Iusan, Constantin
CORPORATE SOURCE: Rom.
SOURCE: Studia Universitatis Babes-Bolyai, Chemia (1977), 22(1), 15-18
CODEN: SUBCAB; ISSN: 1224-7154
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 87:53005

GI



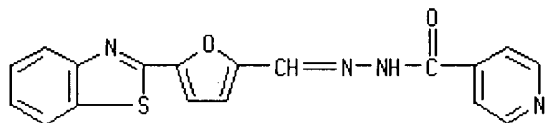
AB The formylation of I (R = Me, Br, H; R1 = H) by DMF-P(O)Cl₃ gives I (R = Me, Br, R1 = CHO). Similar attempted formylation of I (R = NO₂, R1 = H) does not work due to the transmission of the -E effect of the NO₂ groups. I (R = H, R1 = CHO) and hippuric acid are refluxed 2 h in Ac₂O contg. NaOAc to give 86.4% II which with EtO, PhCH₂NH₂, or PhNH₂ gives I (R = H, R1 = CH:C(NHPh)CO₂Et, CH:C(NHPh)CONHCH₂Ph, CH:C(NHPh)CONHPh). I (R = Me, Br, H; R1 = CHO) also gives the corresponding III.

IT **63400-70-4P 63400-71-5P 63400-72-6P**

RL: SPN (Synthetic preparation); **PREP (Preparation)**
(prepn. of)

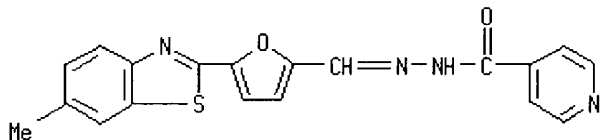
RN 63400-70-4 HCAPLUS

CN 4-Pyridinecarboxylic acid, [[5-(2-benzothiazolyl)-2-furanyl]methylene]hydrazide (9CI) (CA INDEX NAME)



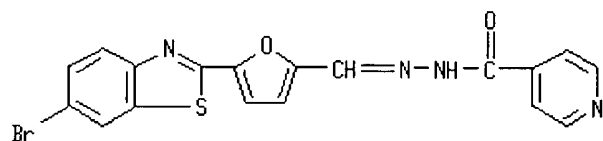
RN 63400-71-5 HCAPLUS

CN 4-Pyridinecarboxylic acid, [[5-(6-methyl-2-benzothiazolyl)-2-furanyl]methylene]hydrazide (9CI) (CA INDEX NAME)



RN 63400-72-6 HCAPLUS

CN 4-Pyridinecarboxylic acid, [[5-(6-bromo-2-benzothiazolyl)-2-furanyl]methylene]hydrazide (9CI) (CA INDEX NAME)

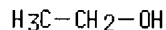


IT 64-17-5, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (formylfuryl)benzothiazole azolactone)

RN 64-17-5 HCAPLUS

CN Ethanol (9CI) (CA INDEX NAME)

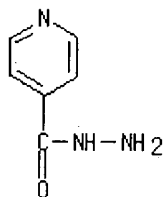


IT 54-85-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with formylfurobenzothiazoles)

RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



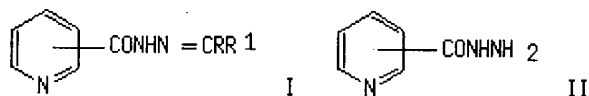
L14 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

ACCESSION NUMBER: 1976:523778 HCAPLUS
DOCUMENT NUMBER: 85:123778
TITLE: N'-Substituted pyridine carboxylic acid hydrazides
INVENTOR(S): Ninomiya, Ichiya
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 51032563	A2	19760319	JP 1974-106317	19740913
JP 59050674	B4	19841210		

PRIORITY APPLN. INFO.: JP 1974-106317 19740913
GI



AB The alkylidenehydrazides I (R = alkyl, aryl; R1 = H, alkyl) were prepd. by treating II with RR1CHOR2 (R2 = H, acyl) under uv irradiation. Thus, 135 g nicotinic acid hydrazide in PhCH2OH was uv irradiated 39 hr at room temp.

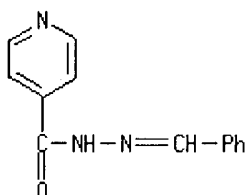
to give 17.7 mg nicotinic acid benzylidenehydrazide. Among 7 similarly prepd. were I (position of CONHN:CRR1, R, R1 given) 3, Me, Me; 2, Me H; 2, Me, Me; 4, Me, H.

IT 533-02-8P 4813-03-0P 4813-04-1P

RL: SPN (Synthetic preparation); **PREP (Preparation)**
(prepn. of)

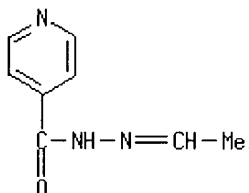
RN 533-02-8 HCAPLUS

CN 4-Pyridinecarboxylic acid, (phenylmethylene)hydrazide (9CI) (CA INDEX NAME)



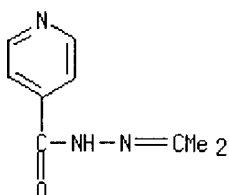
RN 4813-03-0 HCAPLUS

CN 4-Pyridinecarboxylic acid, ethylidenehydrazide (9CI) (CA INDEX NAME)



RN 4813-04-1 HCAPLUS

CN 4-Pyridinecarboxylic acid, (1-methylethylidene)hydrazide (9CI) (CA INDEX NAME)

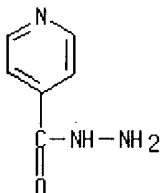


IT 54-85-3

RL: **RCT (Reactant)**; RACT (Reactant or reagent)
(reaction with alcs.)

RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



IT 64-17-5, reactions

RL: **RCT (Reactant)**; RACT (Reactant or reagent)
(with pyridinecarboxylic acid hydrazides)

RN 64-17-5 HCAPLUS

CN Ethanol (9CI) (CA INDEX NAME)

H₃C-CH₂-OH

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.39	600.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.77	-2.77

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STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> e methanol/cn

E1	1	METHANOIC ACID, (DIPHENYLPHOSPHINYL)-, 2-(DIPHENYLPHOSPHINYL)HYDRAZIDE/CN
E2	1	METHANOISOBENZOFURANONE, HEPTACHLOROCTAHYDRO-/CN
E3	1 -->	METHANOL/CN
E4	1	METHANOL (13CD3OH)/CN
E5	1	METHANOL (CD3OH)/CN
E6	1	METHANOL (CH3OD)/CN
E7	1	METHANOL (GACL3), COMPD. WITH GALLIUM CHLORIDE (GACL3) (1:1)/CN
E8	1	METHANOL .BETA.-QUINOL CLATHRATE/CN
E9	1	METHANOL ANION RADICAL/CN
E10	1	METHANOL CARBANILATE/CN
E11	1	METHANOL CATION RADICAL/CN
E12	1	METHANOL CLUSTER/CN

=> s e3

L15 1 METHANOL/CN

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FULL ESTIMATED COST	4.85	605.64
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.77

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 FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED
 L2 2 S L1
 L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED
 L5 50 S L4
 L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED
 L9 28 S L8
 L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT
 L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004

E ALKANOL/CN
 E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004

E ETHANOL/CN

L13 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004

L14 4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004

E METHANOL/CN

L15 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004

=> s l15 and l12

119125 L15

L16 2 L15 AND L12

=> s l16 not l14

L17 2 L16 NOT L14

=> d l17, ibib abs hitstr, 1-2

L17 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Citing
Text References

ACCESSION NUMBER: 2003:610439 HCAPLUS

DOCUMENT NUMBER: 139:164794

TITLE: Preparation of 1,2,4-triazole derivatives for treatment of hyperuricemia

INVENTOR(S): Nakamura, Hiroshi; Kaneda, Soichi; Sato, Takahiro; Ashizawa, Naoki; Matsumoto, Koji; Iwanaga, Takashi; Inoue, Tsutomu

PATENT ASSIGNEE(S): Fuji Yakuhin Co., Ltd., Japan

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

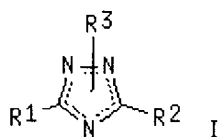
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003064410	A1	20030807	WO 2002-JP12662	20021203
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: JP 2002-17825 A 20020128

OTHER SOURCE(S): MARPAT 139:164794

GI

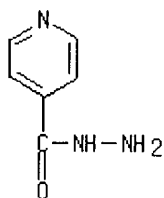


AB The title compds. I [R2 represents (un)substituted pyridyl; R1 represents (un)substituted pyridyl, etc.; and R3 represents hydrogen or pivaloyloxy-substituted lower alkyl which is bonded to a nitrogen atom of the 1,2,4-triazole ring] are prepd. The bioactivity of compds. of this invention was demonstrated.

IT 54-85-3, Isonicotinic acid hydrazide 67-56-1, Methanol, reactions 3758-59-6, 2-Methylisonicotinic acid hydrazide
 RL: **RCT (Reactant)**; RACT (Reactant or reagent)
 (prepn. of 1,2,4-triazole derivs. for treatment of hyperuricemia)

RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



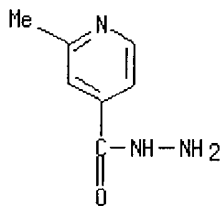
RN 67-56-1 HCAPLUS

CN Methanol (8CI, 9CI) (CA INDEX NAME)

H₃C-OH

RN 3758-59-6 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-methyl-, hydrazide (9CI) (CA INDEX NAME)



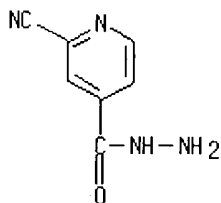
IT 135048-32-7P 577778-86-0P 577778-87-1P

RL: **RCT (Reactant)**; SPN (Synthetic preparation); **PREP (Preparation)**; RACT (Reactant or reagent)

(prepn. of 1,2,4-triazole derivs. for treatment of hyperuricemia)

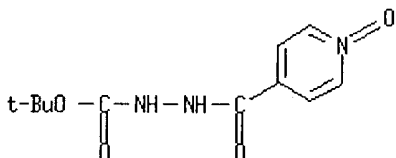
RN 135048-32-7 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-cyano-, hydrazide (9CI) (CA INDEX NAME)



RN 577778-86-0 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-[(1,1-dimethylethoxy)carbonyl]hydrazide,
1-oxide (9CI) (CA INDEX NAME)



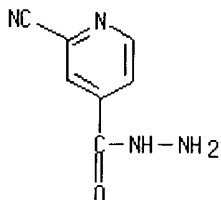
RN 577778-87-1 HCAPLUS

CN 4-Pyridinecarboxylic acid, 2-cyano-, hydrazide, 4-methylbenzenesulfonate
(2:3) (9CI) (CA INDEX NAME)

CM 1

CRN 135048-32-7

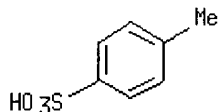
CMF C7 H6 N4 O



CM 2

CRN 104-15-4

CMF C7 H8 O3 S



REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing
References

ACCESSION NUMBER: 2003:282402 HCAPLUS

DOCUMENT NUMBER: 138:304303

TITLE: Preparation of triazolo[1,5-d]pyrimidine derivatives
as adrenergic α_2C receptor antagonists

INVENTOR(S): Uesaka, Noriaki; Imma, Hironori; Kashima, Hajime;
Kurokawa, Masako; Nonaka, Hiromi; Kanda, Tomoyuki;
Kuwana, Yoshihisa; Toki, Shinichiro; Shimada, Junichi

6/2/04

to give, after workup and silica gel chromatog., 79% 5-amino-2-(2-furyl)-8-(4-phenylpiperazin-1-ylmethyl) [1,2,4]triazolo[1,5-c]pyrimidine (II). II and 5-amino-2-(2-furyl)-8-(1,2,3,4-tetrahydroisoquinolin-2-ylmethyl) [1,2,4]triazolo[1,5-c]pyrimidine in vitro inhibited the binding of [methyl-3H]MK-912 to adrenergic α_2C receptor in human liver-derived HepG2 cells by 80 and 96%, resp. A tablet contg. II and an injection soln. contg. 8-[4-(2,3-dichlorophenyl)piperazin-1-ylmethyl]-5-(3,4-dimethoxybenzylamino)-1-(2-furyl) [1,2,4]triazolo[1,5-c]pyrimidine were formulated.

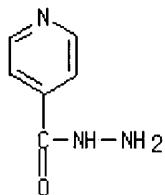
IT 54-85-3, Isonicotinic hydrazide 67-56-1, Methanol, reactions

RL: **RCT (Reactant)**; RACT (Reactant or reagent)

(prepn. of triazolo[1,5-d]pyrimidine derivs. as adrenergic α_2C receptor antagonists for treatment and/or prevention of dyskinesia, in particular L-DOPA-induced dyskinesia, and Parkinson's disease)

RN 54-85-3 HCAPLUS

CN 4-Pyridinecarboxylic acid, hydrazide (9CI) (CA INDEX NAME)



RN 67-56-1 HCAPLUS

CN Methanol (8CI, 9CI) (CA INDEX NAME)

H₃C-OH

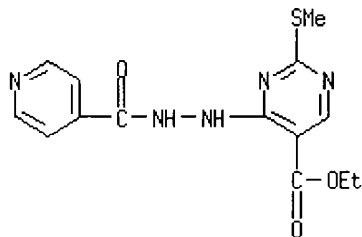
IT 508240-92-4P

RL: RCT (Reactant); SPN (Synthetic preparation); **PREP (Preparation)**; RACT (Reactant or reagent)

(prepn. of triazolo[1,5-d]pyrimidine derivs. as adrenergic α_2C receptor antagonists for treatment and/or prevention of dyskinesia, in particular L-DOPA-induced dyskinesia, and Parkinson's disease)

RN 508240-92-4 HCAPLUS

CN 5-Pyrimidinecarboxylic acid, 2-(methylthio)-4-[2-(4-pyridinylcarbonyl)hydrazino]-, ethyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

11.87

617.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.39	-4.16

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3
 DICTIONARY FILE UPDATES: 1 JUN 2004 HIGHEST RN 688308-86-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED
 L2 2 S L1
 L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED
 L5 50 S L4
 L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED
 L9 28 S L8
 L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT
 L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004

E ALKANOL/CN
 E ETHANOL/CN

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FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004
      E ETHANOL/CN
L13      1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004
L14      4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004
      E METHANOL/CN
L15      1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004
L16      2 S L15 AND L12
L17      2 S L16 NOT L14

FILE 'REGISTRY' ENTERED AT 11:48:24 ON 02 JUN 2004

=> e propanol/cn
E1      1      PROPANOIC-D5 ACID-D/CN
E2      1      PROPANOIC-T5 ACID/CN
E3      2 --> PROPANOL/CN
E4      1      PROPANOL 14/CN
E5      1      PROPANOL 15/CN
E6      1      PROPANOL 18/CN
E7      1      PROPANOL 21/CN
E8      1      PROPANOL DEHYDROGENASE/CN
E9      1      PROPANOL DEHYDROGENASE (ESCHERICHIA COLI STRAIN CFT073 GENE
      C4524)/CN
E10     1      PROPANOL DEHYDROGENASE (SALMONELLA ENTERICA TYPHI STRAIN CT1
      8 GENE PDUQ)/CN
E11     1      PROPANOL DEHYDROGENASE (SALMONELLA ENTERICA TYPHI STRAIN TY2
      GENE PDUQ)/CN
E12     1      PROPANOL DEHYDROGENASE PDUQ (ENTEROCOCCUS FAECALIS STRAIN V5
      83 GENE EF1635)/CN

=> s e3
L18      2 PROPANOL/CN

=> d l18

L18 ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2004 ACS on STN
RN 62309-51-7  REGISTRY
CN Propanol (9CI)  (CA INDEX NAME)
MF C3 H8 O
CI IDS, COM
LC STN Files:  AGRICOLA, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS,
      CASREACT, CEN, CIN, EMBASE, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
DT.CA CAplus document type:  Conference; Dissertation; Journal; Patent; Report
RL.P  Roles from patents:  ANST (Analytical study); BIOL (Biological study);
      FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
      (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
      (Reactant or reagent); USES (Uses)
RLD.P  Roles for non-specific derivatives from patents:  BIOL (Biological
      study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
      (Reactant or reagent); USES (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study); BIOL (Biological

```

study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

H₃C-CH₂-CH₃

D1-OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1130 REFERENCES IN FILE CA (1907 TO DATE)
 22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1131 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e propanol/cn

E1	1	PROPANOIC-D5 ACID-D/CN
E2	1	PROPANOIC-T5 ACID/CN
E3	2 -->	PROPANOL/CN
E4	1	PROPANOL 14/CN
E5	1	PROPANOL 15/CN
E6	1	PROPANOL 18/CN
E7	1	PROPANOL 21/CN
E8	1	PROPANOL DEHYDROGENASE/CN
E9	1	PROPANOL DEHYDROGENASE (ESCHERICHIA COLI STRAIN CFT073 GENE C4524)/CN
E10	1	PROPANOL DEHYDROGENASE (SALMONELLA ENTERICA TYPHI STRAIN CT1 8 GENE PDUQ)/CN
E11	1	PROPANOL DEHYDROGENASE (SALMONELLA ENTERICA TYPHI STRAIN TY2 GENE PDUQ)/CN
E12	1	PROPANOL DEHYDROGENASE PDUQ (ENTEROCOCCUS FAECALIS STRAIN V5 83 GENE EF1635)/CN

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1	STRUCTURE UPLOADED
L2	2 S L1
L3	36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4	STRUCTURE UPLOADED
L5	50 S L4
L6	6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7	953 S L6/PREP
----	---------------

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8	STRUCTURE UPLOADED
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L9 28 S L8
L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004
L11 962 S L10/RCT
L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004
E ALKANOL/CN
E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004
E ETHANOL/CN
L13 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004
L14 4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004
E METHANOL/CN
L15 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004
L16 2 S L15 AND L12
L17 2 S L16 NOT L14

FILE 'REGISTRY' ENTERED AT 11:48:24 ON 02 JUN 2004
E PROPANOL/CN
L18 2 S E3
E PROPANOL/CN

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.04	624.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.16

FILE 'HCAPLUS' ENTERED AT 11:49:18 ON 02 JUN 2004
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FILE COVERS 1907 - 2 Jun 2004 VOL 140 ISS 23
FILE LAST UPDATED: 1 Jun 2004 (20040601/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED

L5 50 S L4

L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED

L9 28 S L8

L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004

L11 962 S L10/RCT

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L13 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004

L14 4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004

E METHANOL/CN

L15 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004

L16 2 S L15 AND L12

L17 2 S L16 NOT L14

FILE 'REGISTRY' ENTERED AT 11:48:24 ON 02 JUN 2004

E PROPANOL/CN

L18 2 S E3
 E PROPANOL/CN

FILE 'HCAPLUS' ENTERED AT 11:49:18 ON 02 JUN 2004

=> s l18 and l12

30602 L18

L19 0 L18 AND L12

=> file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.36	626.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.16

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 36 S L1 FULL

FILE 'REGISTRY' ENTERED AT 11:41:05 ON 02 JUN 2004

L4 STRUCTURE UPLOADED

L5 50 S L4

L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

L7 953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004

L8 STRUCTURE UPLOADED

L9 28 S L8

L10 416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004
 L11 962 S L10/RCT
 L12 504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004
 E ALKANOL/CN
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FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

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FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004
 E ETHANOL/CN
 L13 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004
 L14 4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004
 E METHANOL/CN
 L15 1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004
 L16 2 S L15 AND L12
 L17 2 S L16 NOT L14

FILE 'REGISTRY' ENTERED AT 11:48:24 ON 02 JUN 2004
 E PROPANOL/CN
 L18 2 S E3
 E PROPANOL/CN

FILE 'HCAPLUS' ENTERED AT 11:49:18 ON 02 JUN 2004
 L19 0 S L18 AND L12

FILE 'CAOLD' ENTERED AT 11:49:40 ON 02 JUN 2004

=> s l11 and l7

QUALIFICATION NOT VALID FOR L10

Field code qualifications can only be applied to text terms.

=> d his

(FILE 'HOME' ENTERED AT 11:22:29 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:22:37 ON 02 JUN 2004

FILE 'CASREACT' ENTERED AT 11:26:21 ON 02 JUN 2004
 L1 STRUCTURE UPLOADED
 L2 2 S L1
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 L4 STRUCTURE UPLOADED
 L5 50 S L4
 L6 6164 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 11:42:22 ON 02 JUN 2004

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L7          953 S L6/PREP

FILE 'REGISTRY' ENTERED AT 11:42:32 ON 02 JUN 2004
L8          STRUCTURE UPLOADED
L9          28 S L8
L10         416 S L8 FULL

FILE 'HCAPLUS' ENTERED AT 11:44:53 ON 02 JUN 2004
L11         962 S L10/RCT
L12         504 S L11 AND L7

FILE 'REGISTRY' ENTERED AT 11:45:16 ON 02 JUN 2004
          E ALKANOL/CN
          E ETHANOL/CN

FILE 'REGISTRY' ENTERED AT 11:46:00 ON 02 JUN 2004

FILE 'HCAPLUS' ENTERED AT 11:46:04 ON 02 JUN 2004

FILE 'REGISTRY' ENTERED AT 11:46:27 ON 02 JUN 2004
          E ETHANOL/CN
L13         1 S E3

FILE 'HCAPLUS' ENTERED AT 11:46:56 ON 02 JUN 2004
L14         4 S L13 AND L12

FILE 'REGISTRY' ENTERED AT 11:47:27 ON 02 JUN 2004
          E METHANOL/CN
L15         1 S E3

FILE 'HCAPLUS' ENTERED AT 11:47:44 ON 02 JUN 2004
L16         2 S L15 AND L12
L17         2 S L16 NOT L14

FILE 'REGISTRY' ENTERED AT 11:48:24 ON 02 JUN 2004
          E PROPANOL/CN
L18         2 S E3
          E PROPANOL/CN

FILE 'HCAPLUS' ENTERED AT 11:49:18 ON 02 JUN 2004
L19         0 S L18 AND L12

FILE 'CAOLD' ENTERED AT 11:49:40 ON 02 JUN 2004

=> s 16 and 110
          884 L6
          178 L10
L20         39 L6 AND L10

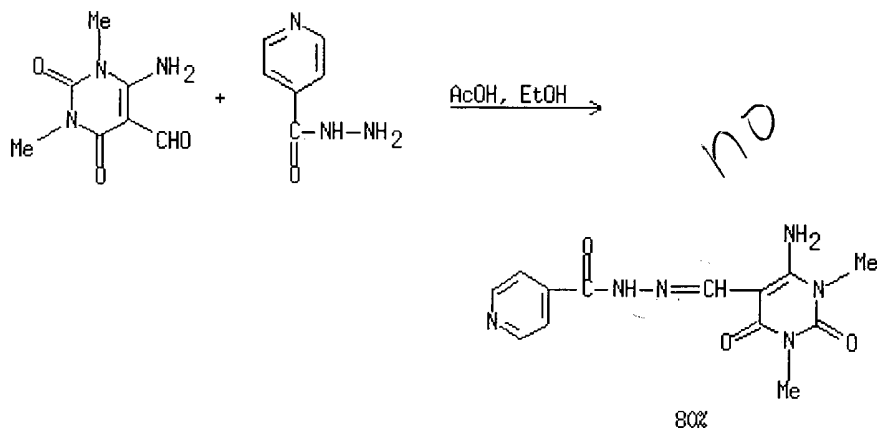
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          11 L13
L21         0 L20 AND L13

=> s 120 and 115
          20 L15
L22         0 L20 AND L15

=> s 120 and 118
          5 L18
L23         0 L20 AND L18

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RX(2) OF 14

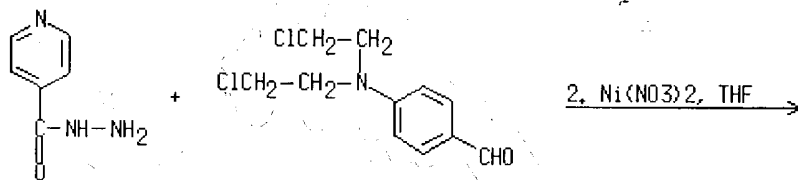


AN 134:187472 CASREACT
 TI Ni(II), Cu(II), Zn(II) and Cd(II) complexes with dinegative
 N,N,O-tridentate uracil-derived hydrazones
 AU Hueso-Urena, Francisco; Illan-Cabeza, Nuria A.; Moreno-Carretero, Miguel
 N.; Penas-Chamorro, Antonio L.
 CS Departamento de Quimica Inorganica y Organica, Universidad de Jaen, Jaen,
 23071, Spain
 SO Acta Chimica Slovenica (2000), 47(4), 481-488
 CODEN: ACSLE7; ISSN: 1318-0207
 PB Slovenian Chemical Society
 DT Journal
 LA English
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

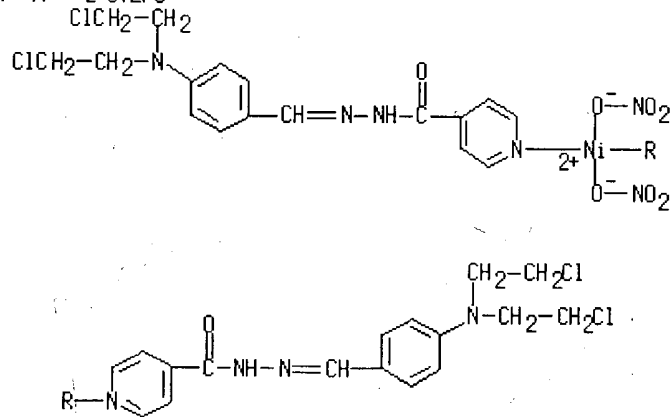
L3 ANSWER 13 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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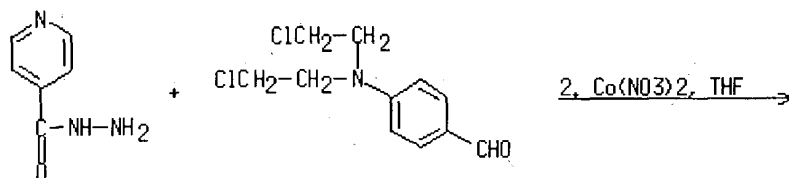


RX(12) OF 40 - 2 STEPS

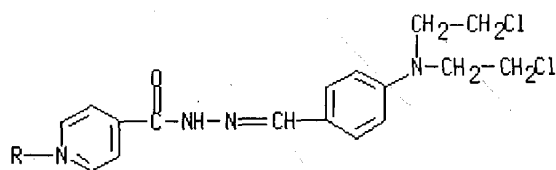
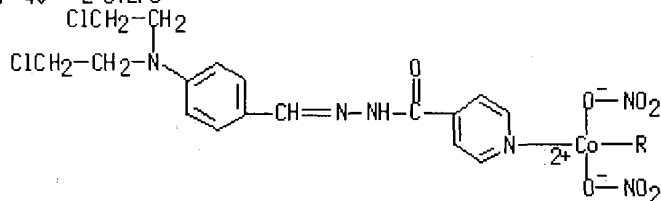


NOTE: 1) no exptl. detail or yield

RX(13) OF 40 - 2 STEPS



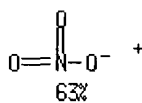
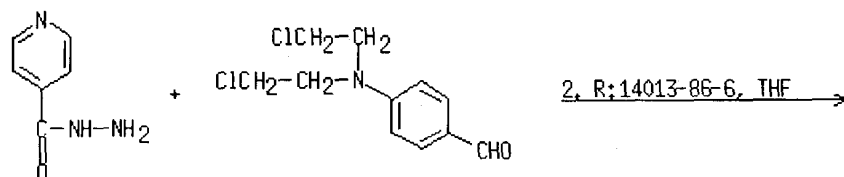
RX(13) OF 40 - 2 STEPS



74%

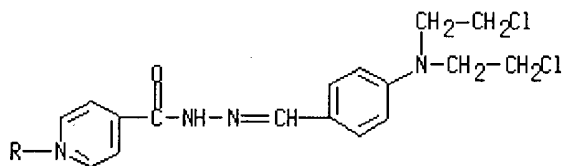
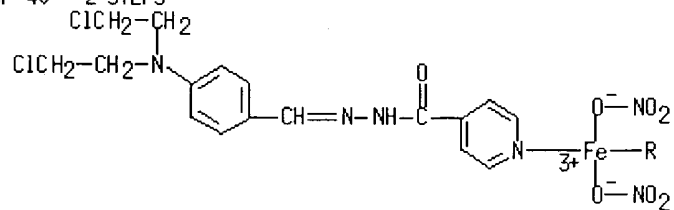
NOTE: 1) no exptl. detail or yield

RX(14) OF 40 - 2 STEPS



63%

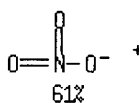
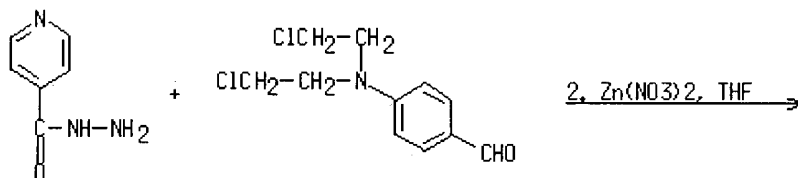
RX(14) OF 40 - 2 STEPS



63%

NOTE: 1) no exptl. detail or yield

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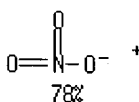
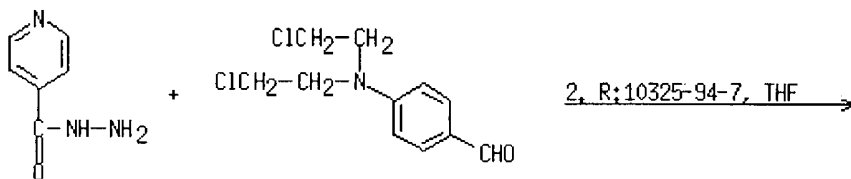


61%

MULTI
PAGE
IMAGE
310427-65-7
61%

NOTE: 1) no exptl. detail or yield

RX(16) OF 40 - 2 STEPS

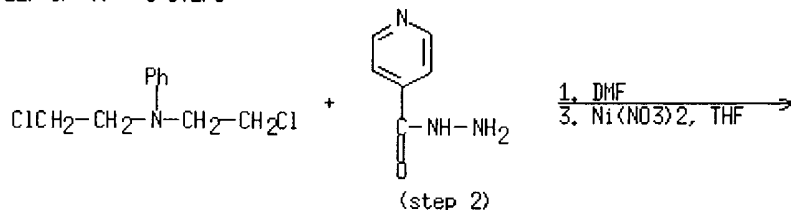


78%

MULTI
PAGE
IMAGE
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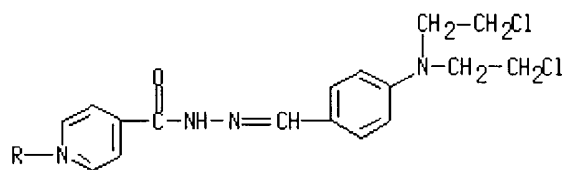
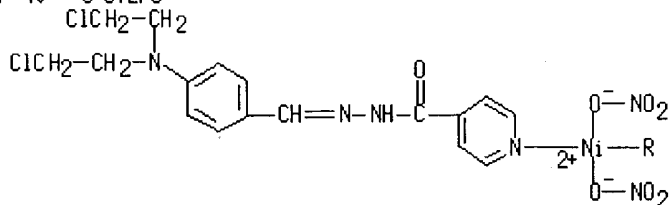
NOTE: 1) no exptl. detail or yield

RX(21) OF 40 - 3 STEPS



(step 2)

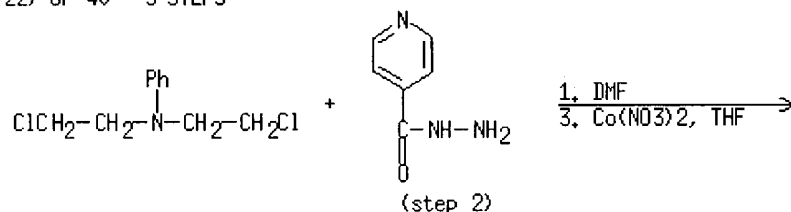
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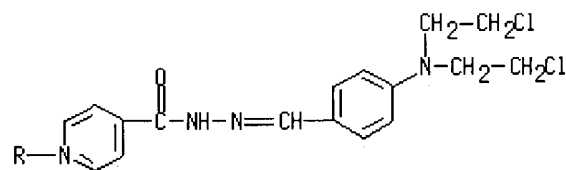
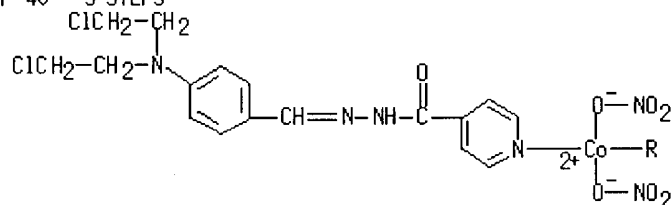
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NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield

RX(22) OF 40 - 3 STEPS



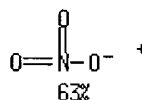
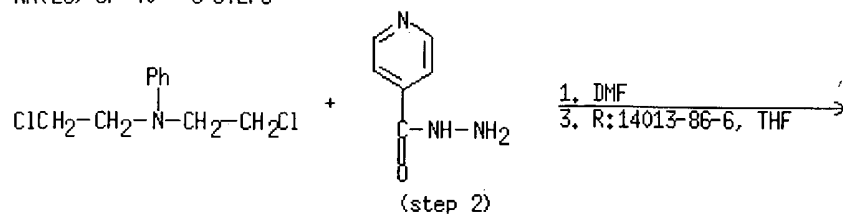
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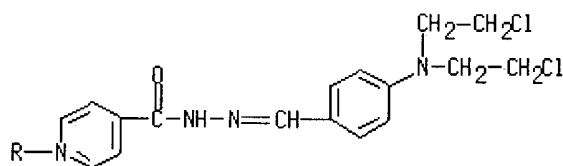
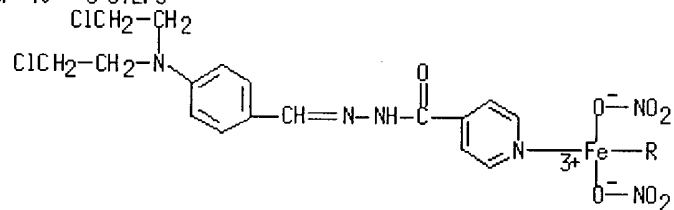
74%

NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield

RX(23) OF 40 - 3 STEPS

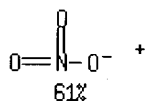
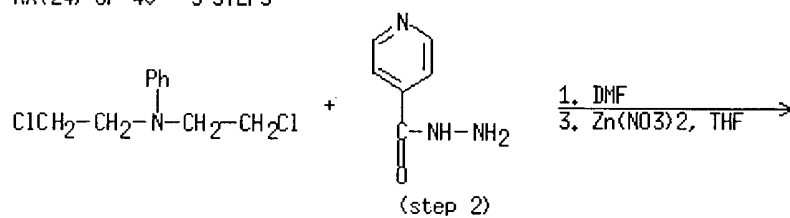


RX(23) OF 40 - 3 STEPS



NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield

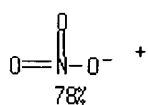
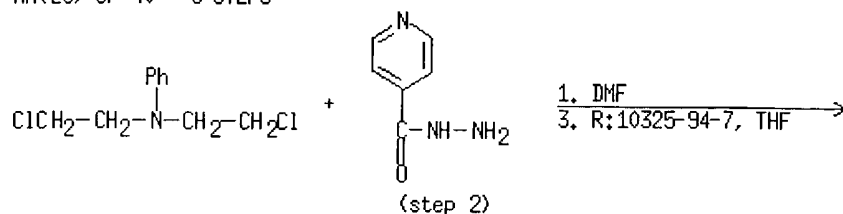
RX(24) OF 40 - 3 STEPS



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IMAGE
310427-65-7
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NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield

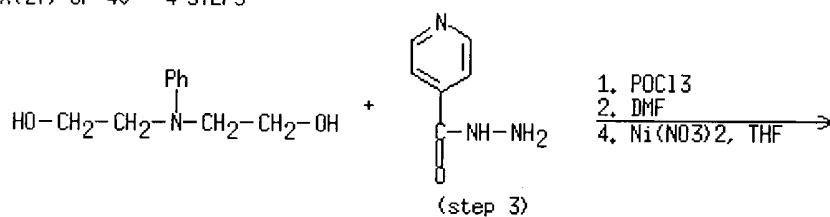
RX(25) OF 40 - 3 STEPS



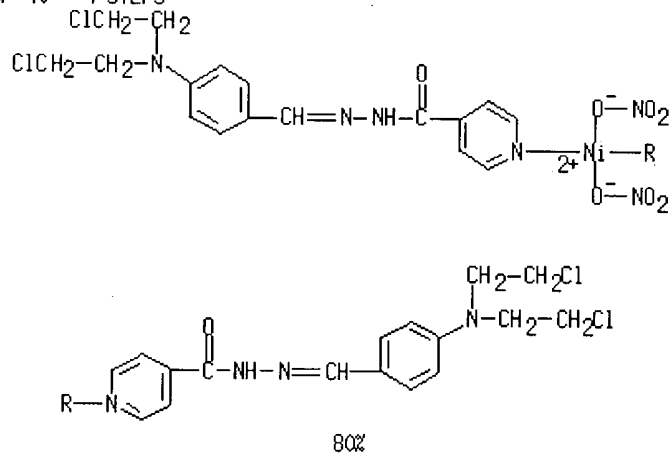
MULTI
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IMAGE
310427-67-9
78%

NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield

RX(27) OF 40 - 4 STEPS

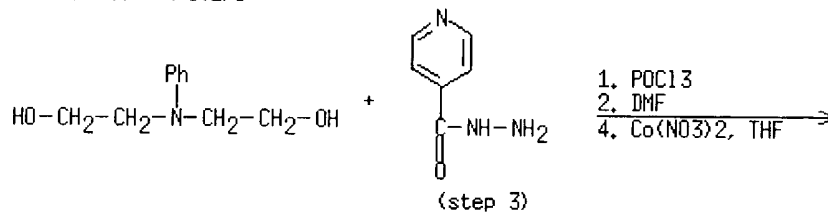


RX(27) OF 40 - 4 STEPS

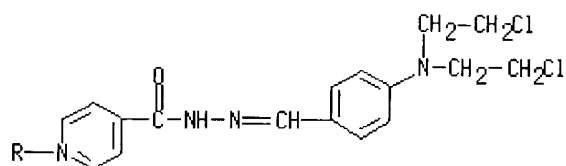
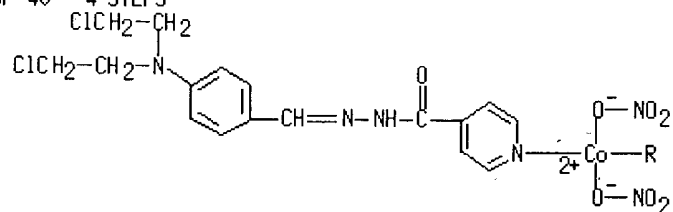


NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(28) OF 40 - 4 STEPS



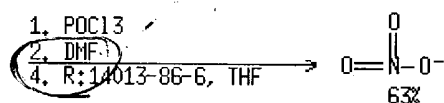
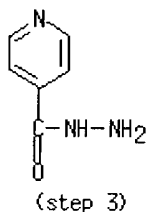
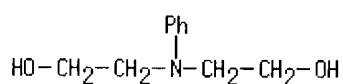
RX(28) OF 40 - 4 STEPS



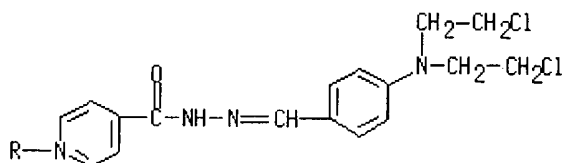
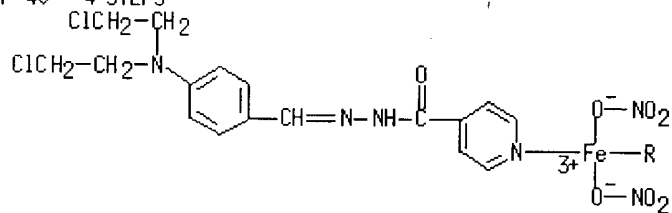
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NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(29) OF 40 - 4 STEPS



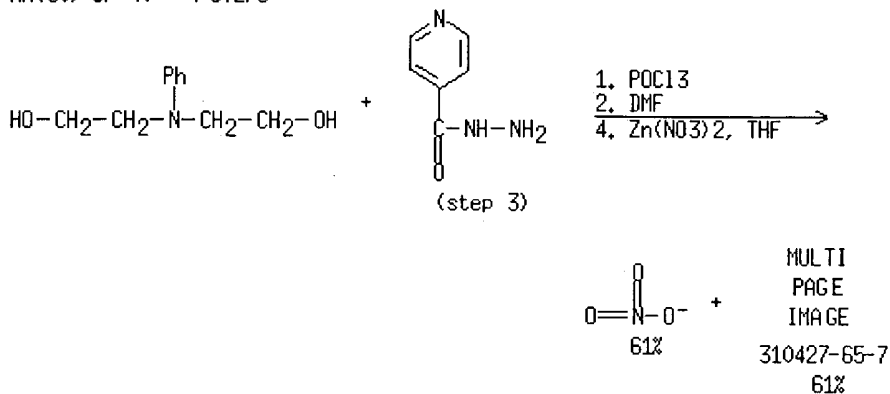
RX(29) OF 40 - 4 STEPS



63%

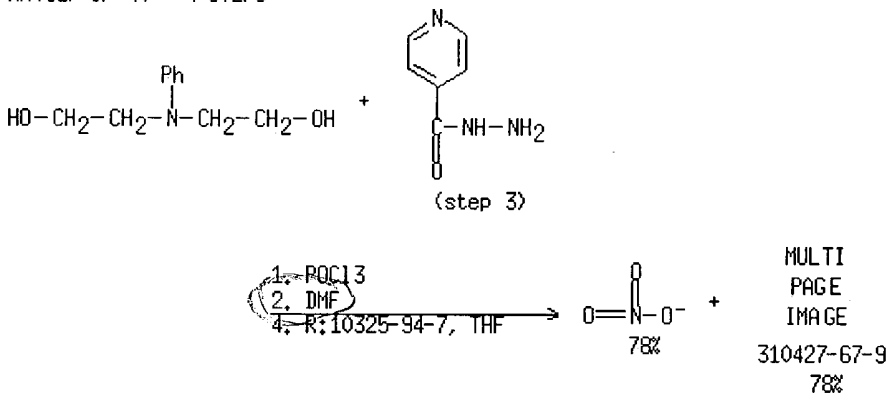
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RX(30) OF 40 - 4 STEPS



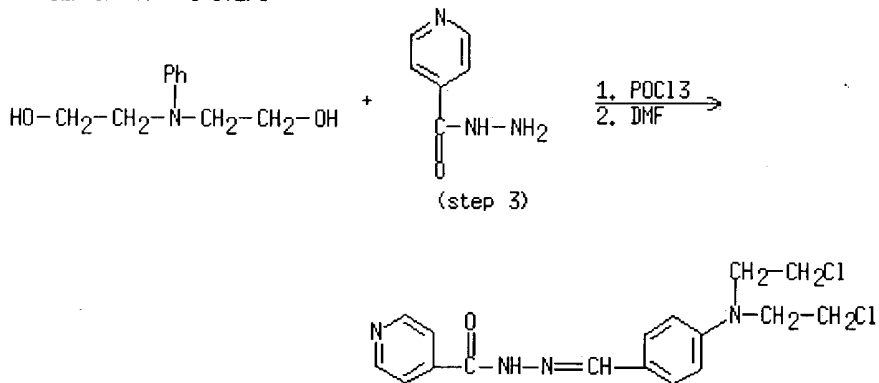
NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(31) OF 40 - 4 STEPS



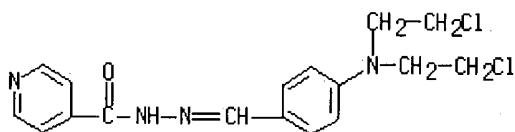
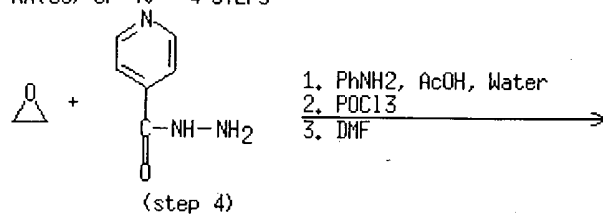
NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(32) OF 40 - 3 STEPS



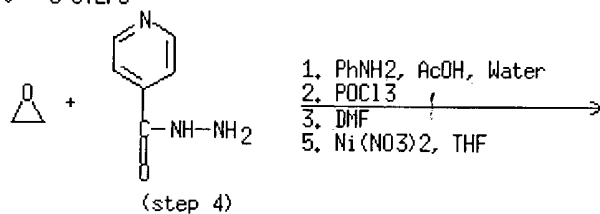
NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(33) OF 40 - 4 STEPS

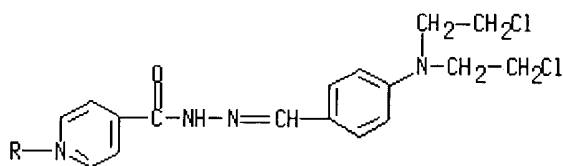
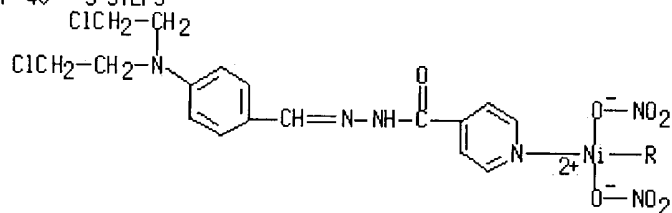


NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(36) OF 40 - 5 STEPS



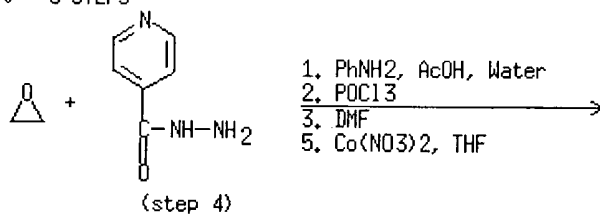
RX(36) OF 40 - 5 STEPS



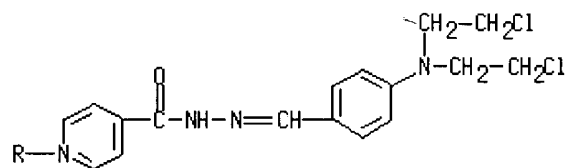
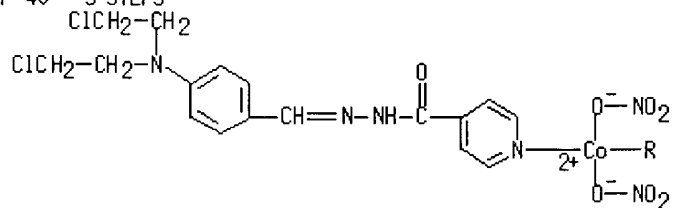
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NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(37) OF 40 - 5 STEPS



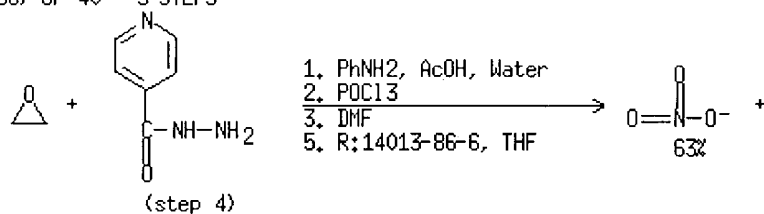
RX(37) OF 40 - 5 STEPS



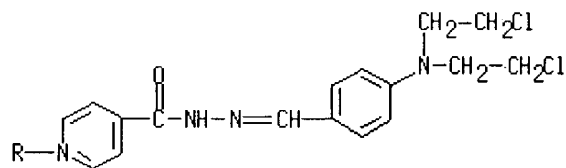
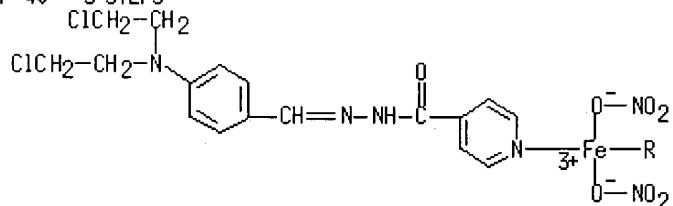
74%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(38) OF 40 - 5 STEPS

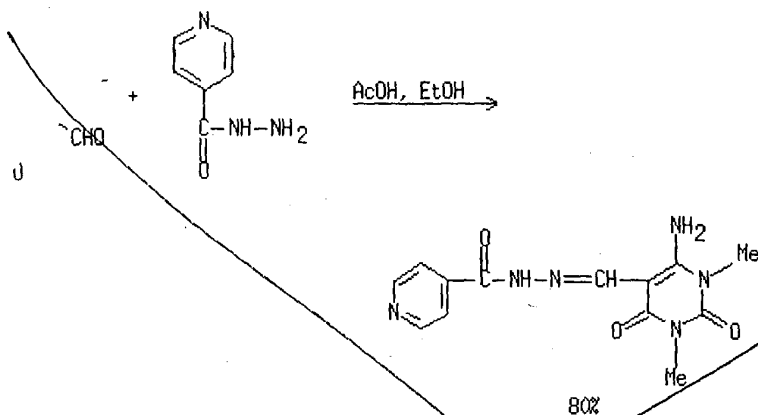


RX(38) OF 40 - 5 STEPS



63%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

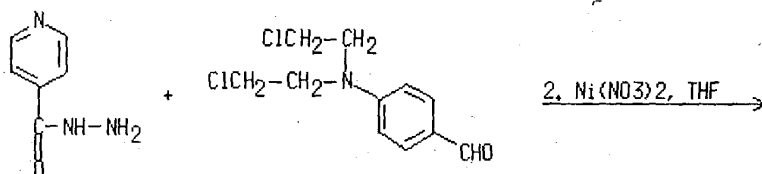


AN 134:187472 CASREACT
 TI Ni(II), Cu(II), Zn(II) and Cd(II) complexes with dinegative
 N,N,O-tridentate uracil-derived hydrazones
 AU Hueso-Urena, Francisco; Illan-Cabeza, Nuria A.; Moreno-Carretero, Miguel
 N.; Penas-Chamorro, Antonio L.
 CS Departamento de Quimica Inorganica y Organica, Universidad de Jaen, Jaen,
 23071, Spain
 SO Acta Chimica Slovenica (2000), 47(4), 481-488
 CODEN: ACSLE7; ISSN: 1318-0207
 PB Slovenian Chemical Society
 DT Journal
 LA English
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

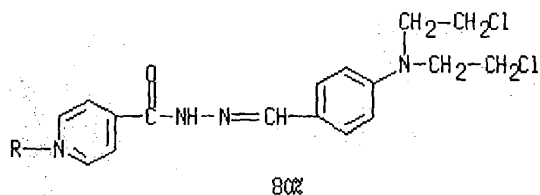
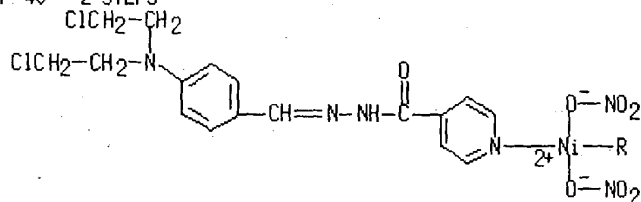
L3 ANSWER 13 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing References

RX(12) OF 40 - 2 STEPS

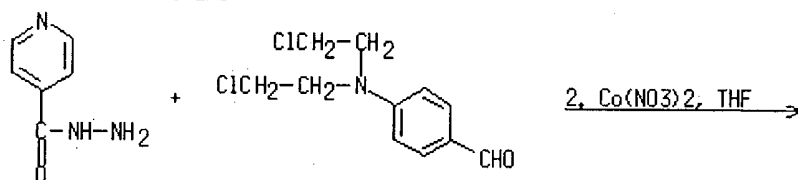


RX(12) OF 40 - 2 STEPS

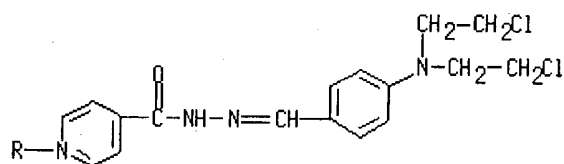
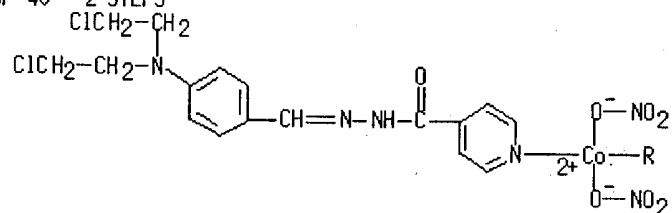


NOTE: 1) no exptl. detail or yield

RX(13) OF 40 - 2 STEPS



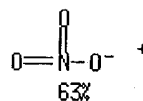
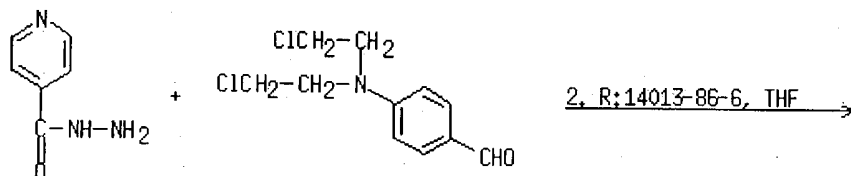
RX(13) OF 40 - 2 STEPS



74%

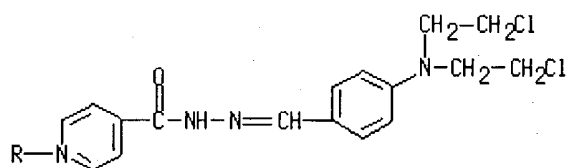
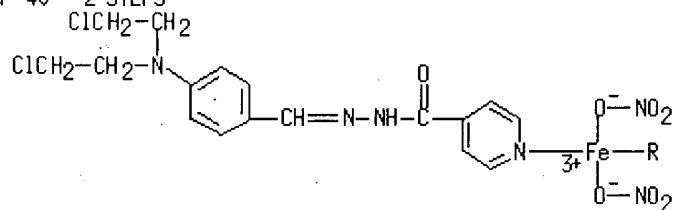
NOTE: 1) no exptl. detail or yield

RX(14) OF 40 - 2 STEPS



63%

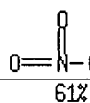
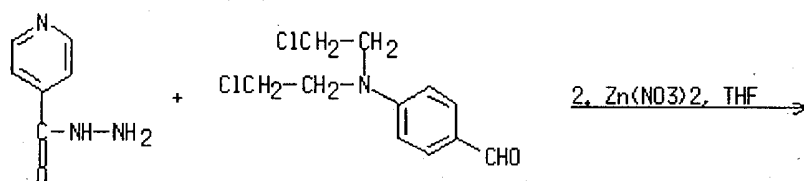
RX(14) OF 40 - 2 STEPS



63%

NOTE: 1) no exptl. detail or yield

RX(15) OF 40 - 2 STEPS

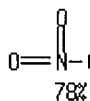
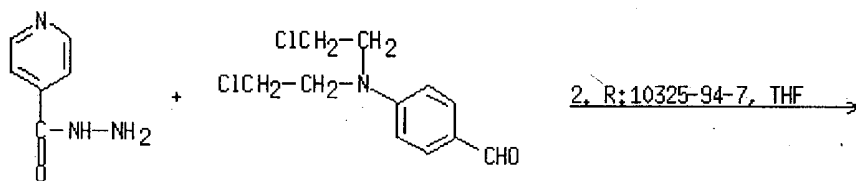


61%

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61%

NOTE: 1) no exptl. detail or yield

RX(16) OF 40 - 2 STEPS

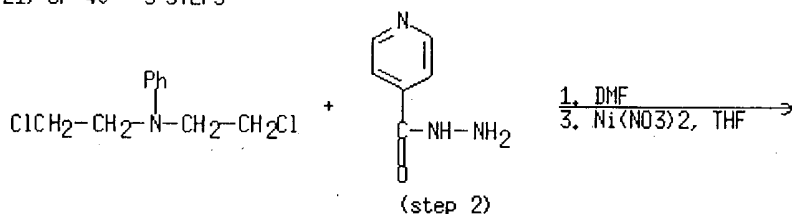


78%

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IMAGE310427-67-9
78%

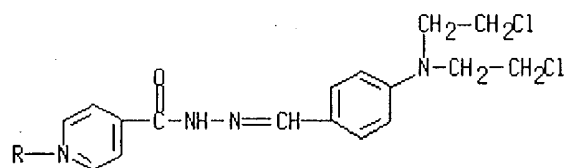
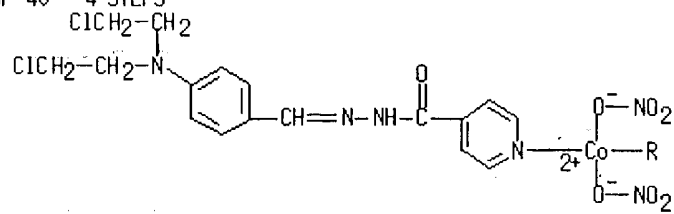
NOTE: 1) no exptl. detail or yield

RX(21) OF 40 - 3 STEPS



(step 2)

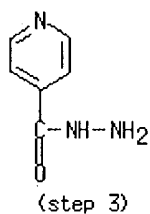
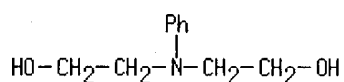
RX(28) OF 40 - 4 STEPS



74%

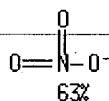
NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

RX(29) OF 40 - 4 STEPS

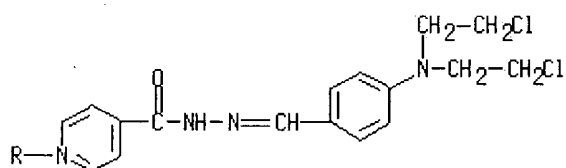
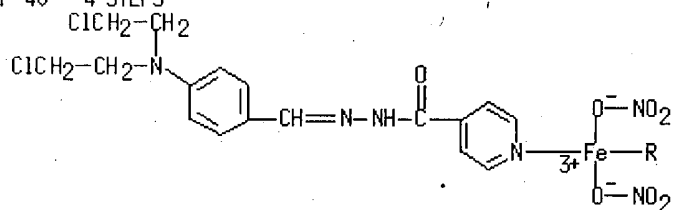
1. POCl₃

2. DMF

4. R: 14013-86-6, THF



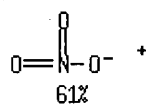
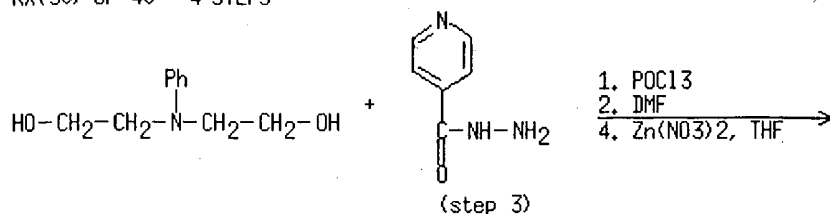
RX(29) OF 40 - 4 STEPS



63%

NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

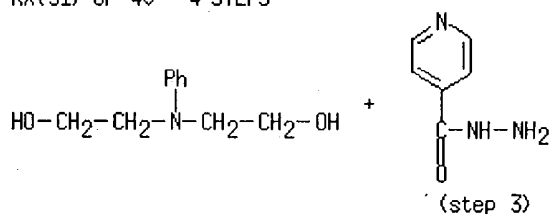
RX(30) OF 40 - 4 STEPS



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IMAGE
310427-65-7
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NOTE: 1) no exptl. detail or yield, 2) no exptl. detail or yield, 3) no exptl. detail or yield

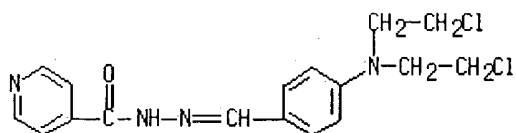
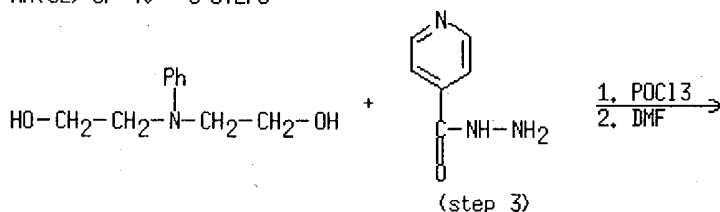
RX(31) OF 40 - 4 STEPS



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IMAGE
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78%

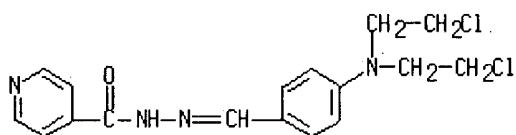
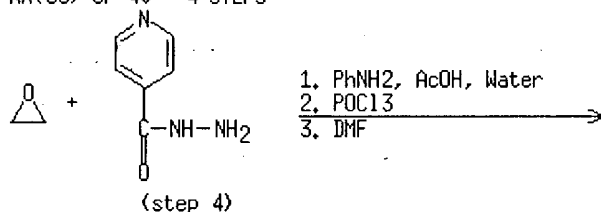
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RX(32) OF 40 - 3 STEPS



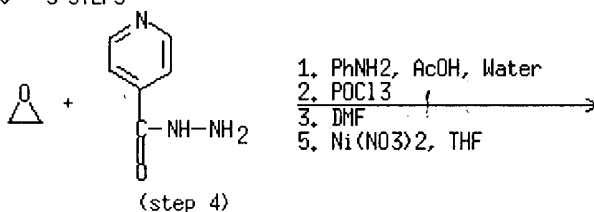
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RX(33) OF 40 - 4 STEPS

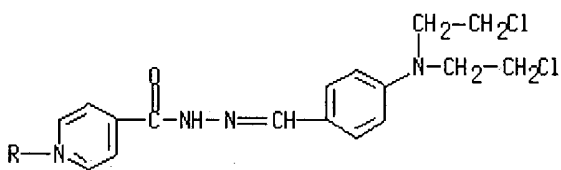
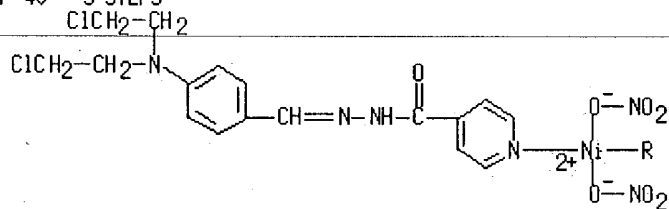


NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(36) OF 40 - 5 STEPS



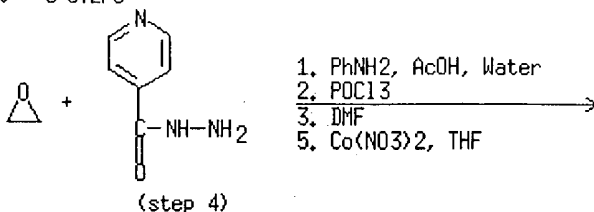
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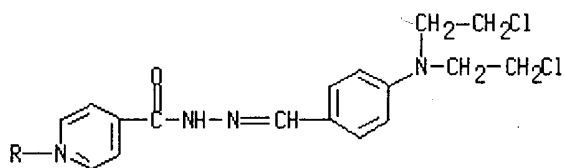
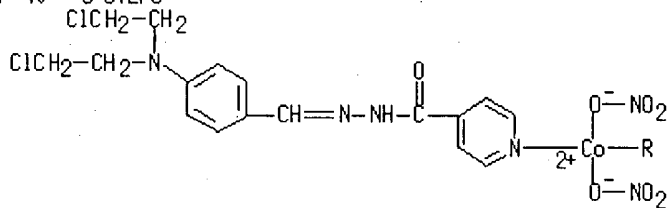
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NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(37) OF 40 - 5 STEPS



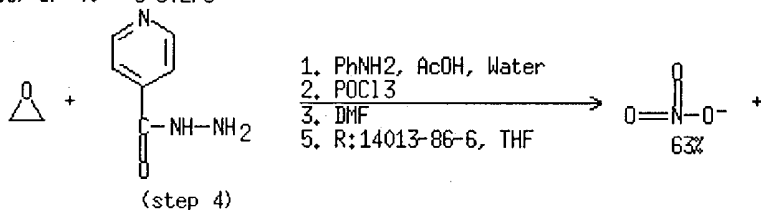
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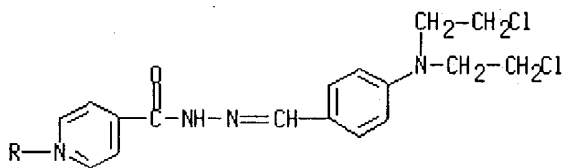
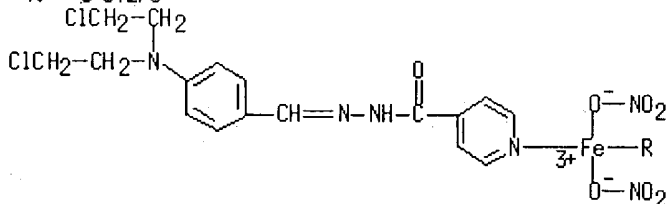
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NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(38) OF 40 - 5 STEPS



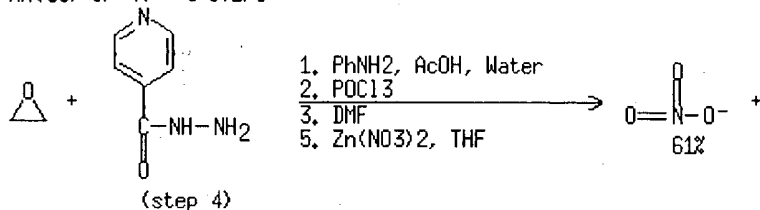
RX(38) OF 40 - 5 STEPS



63%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(39) OF 40 - 5 STEPS

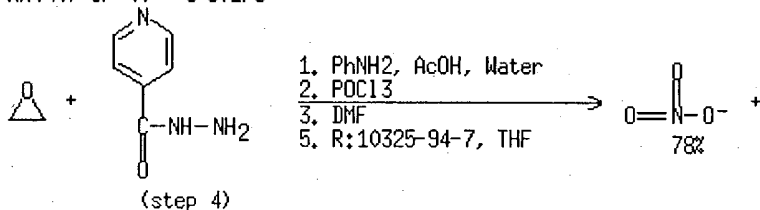
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NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(40) OF 40 - 5 STEPS

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78%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

AN 134:24806 CASREACT

TI Synthesis, characterization, and antitumour activity of isonicotinamido-4-bis(2-chloroethyl)aminobenzaldimine complexes of some transition metals

AU Li, C.-Z.; Zhou, S.-F.; Fan, X.-Z.; Zhu, Z.-F.; Ding, Y.-F.; Zhao, H.; Xia, C.-G.; Wang, L.-F.

CS Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou, 730000, Peop. Rep. China

SO Chemical Papers (2000), 54(4), 239-244

CODEN: CHPAEG; ISSN: 0366-6352

PB Slovak Academic Press Ltd.

DT Journal

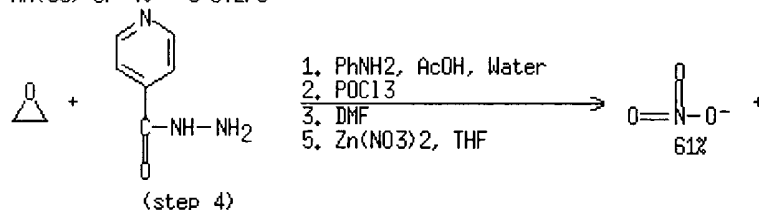
LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

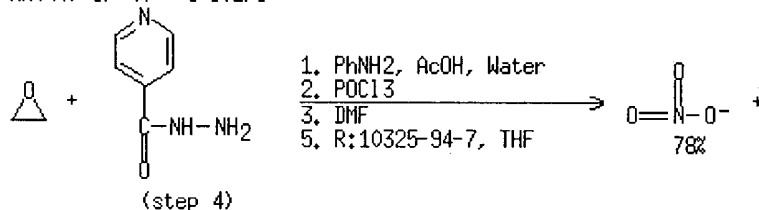
Full
TextCiting
References

RX(39) OF 40 - 5 STEPS

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61%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

RX(40) OF 40 - 5 STEPS

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PAGE
IMAGE310427-67-9
78%

NOTE: 2) no exptl. detail or yield, 3) no exptl. detail or yield, 4) no exptl. detail or yield

AN 134:24806 CASREACT

TI Synthesis, characterization, and antitumour activity of isonicotinamido-4-bis(2-chloroethyl)aminobenzaldimine complexes of some transition metals

AU Li, C.-Z.; Zhou, S.-F.; Fan, X.-Z.; Zhu, Z.-F.; Ding, Y.-F.; Zhao, H.; Xia, C.-G.; Wang, L.-F.

CS Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou, 730000, Peop. Rep. China

SO Chemical Papers (2000), 54(4), 239-244

CODEN: CHPAEG; ISSN: 0366-6352

PB Slovak Academic Press Ltd.

DT Journal

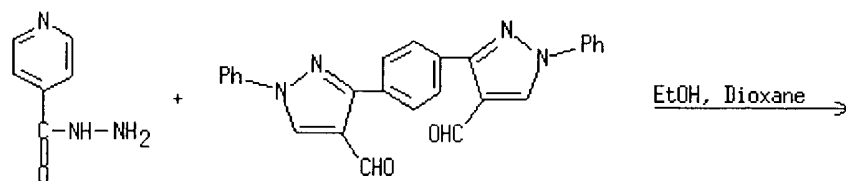
LA English

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

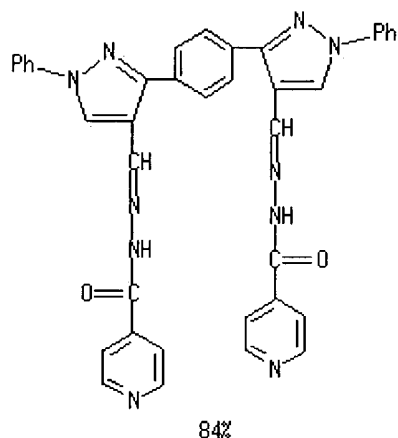
L3 ANSWER 14 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

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TextCiting
References

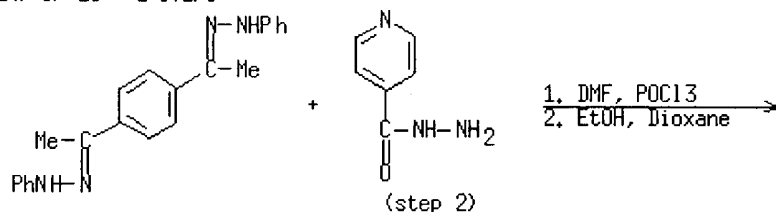
RX(7) OF 15



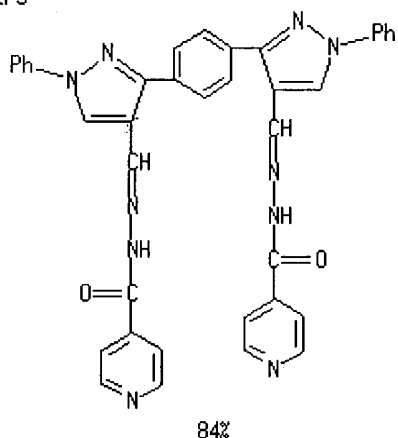
RX(7) OF 15



RX(14) OF 15 - 2 STEPS



RX(14) OF 15 - 2 STEPS



NOTE: 1) key step

AN 134:17425 CASREACT

TI 1,4-Bis(1-phenyl-4-formylpyrazol-3-yl)benzene

AU Bratenko, M. K.; Chornous, V. O.; Vovk, M. V.

CS Bukovins'ka Derzh. Med. Akad., Chernovtsy, Ukraine

SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (2000), 66(1-2), 53-55

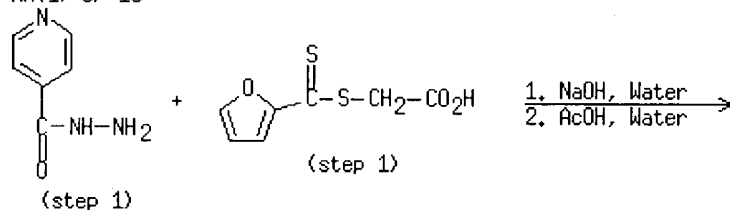
CODEN: UKZHAU; ISSN: 0041-6045

PB Institut Obshchei i Neorganicheskoi Khimii im. V. I. Vernadskogo NAN
 Ukrainy
 DT Journal
 LA Ukranian

L3 ANSWER 15 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

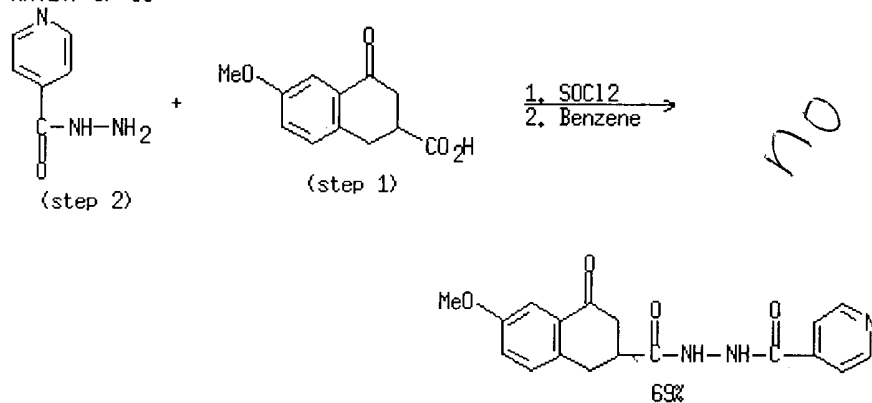
RX(1) OF 15



AN 133:328817 CASREACT
 TI Synthesis, characterization and biological activity of some 3 d metal
 complexes of N-isonicotinoyl-N'-2-furanthiocarbohydrazide
 AU Singh, Nand K.; Kushawaha, Surendra K.; Dixit, Ajai Kumar
 CS Department of Chemistry, Banaras Hindu University, Varanasi, 221 005,
 India
 SO Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry (2000),
 30(7), 1237-1264
 CODEN: SRIMCN; ISSN: 0094-5714
 PB Marcel Dekker, Inc.
 DT Journal
 LA English
 RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 16 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

RX(20) OF 63



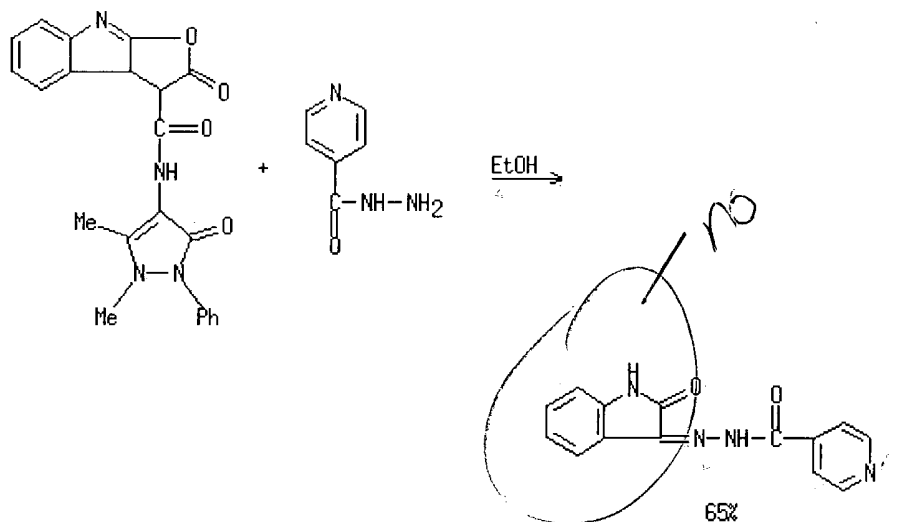
AN 133:222416 CASREACT
 TI Synthesis and biological activities of 3-carboxy-7-methoxy-1-tetralone
 derivatives: part-I
 AU Naidu, A. V.; Dave, M. A.
 CS Department of Chemistry, K.J. Somaiya College of Science and Commerce,

Mumbai, 400 077, India
 SO Asian Journal of Chemistry (2000), 12(3), 679-686
 CODEN: AJCHEW; ISSN: 0970-7077
 PB Asian Journal of Chemistry
 DT Journal
 LA English
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

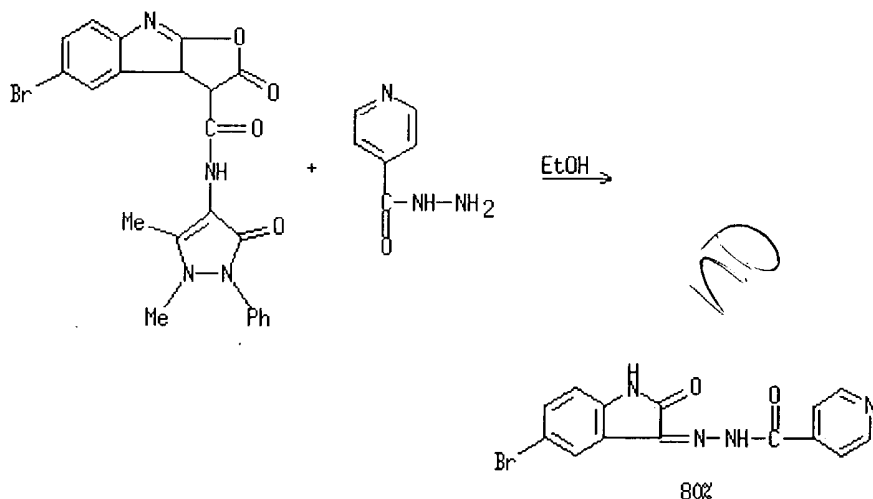
L3 ANSWER 17 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

RX(3) OF 21



RX(6) OF 21



AN 133:177082 CASREACT
 TI Synthetic studies of some new derivatives bearing isatin moiety
 AU Massoud, Mohamed A. M.
 CS Department of Medicinal Chemistry, Faculty of Pharmacy, University of
 Mansoura, Mansoura, 35516, Egypt
 SO Alexandria Journal of Pharmaceutical Sciences (2000), 14(1), 51-57
 CODEN: AJPSES; ISSN: 1110-1792

RB University of Alexandria, Faculty of Pharmacy

DT Journal

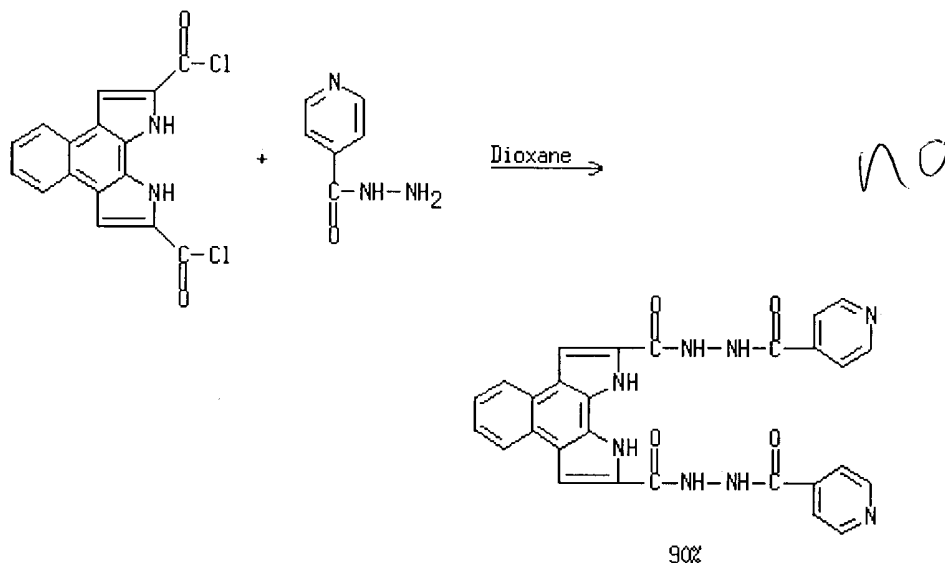
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

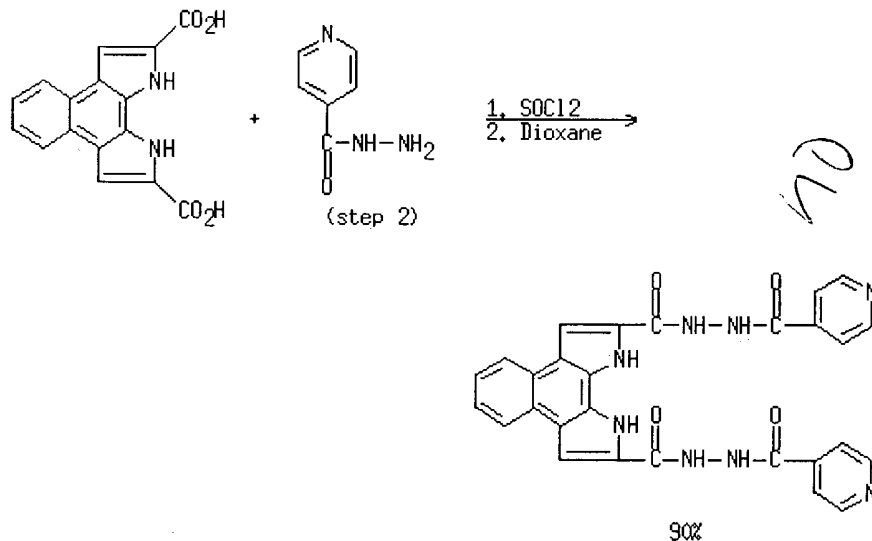
L3 ANSWER 18 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing References

RX(5) OF 11



RX(10) OF 11 - 2 STEPS



AN 130:281952 CASREACT

TI Pyrroloindoles. 17. Synthesis and condensation reactions of benzo[e]pyrrolo[3,2-g]indole-2,9-dicarboxylic acid dichloride

AU Samsoniya, Sh. A.; Trapaidze, M. V.; Kuprashvili, N. A.; Zurabishvili, D. S.; Suvorov, N. N.

CS Iv. Dzhavakhishvili State University, Tbilisi, 380028, Georgia

SO Chemistry of Heterocyclic Compounds (New York) (Translation of Khimiya

Geterotsiklicheskikh Soedinenii) (1999), Volume Date 1998, 34(7), 816-821

CODEN: CHCCAL; ISSN: 0009-3122

PB Consultants Bureau

DT Journal

LA English

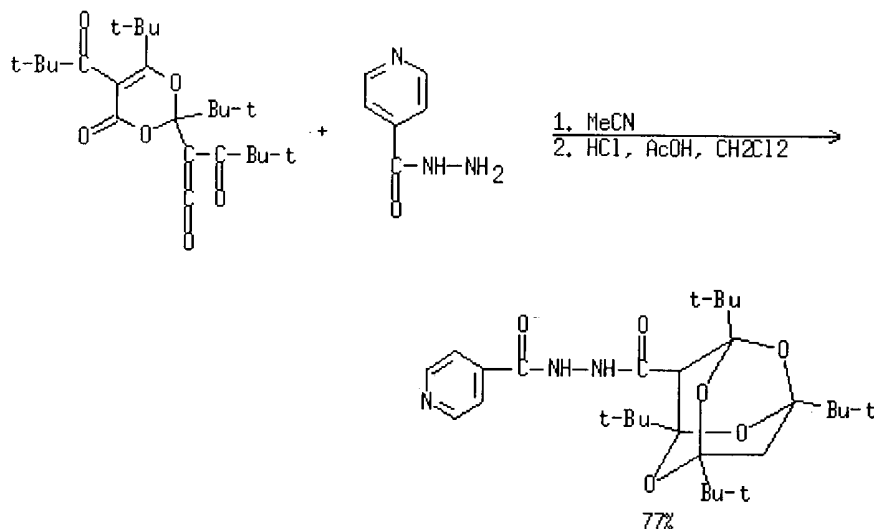
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 19 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full
Text

Citing
References

RX(33) OF 34 - 2 STEPS



AN 130:38340 CASREACT

TI On the reaction of dipivaloylketene dimer with oximes and hydrazines - synthesis of tetraoxaadamananes

AU Dalvi, Turkaram S.; Kappe, C. Oliver; Wentrup, Curt; Kollenz, Gert

CS Institute of Organic Chemistry, KF-University of Graz, Graz, A-8010, Austria

SO Heterocycles (1998), 48(9), 1841-1850

CODEN: HTCYAM; ISSN: 0385-5414

PB Japan Institute of Heterocyclic Chemistry

DT Journal

LA English

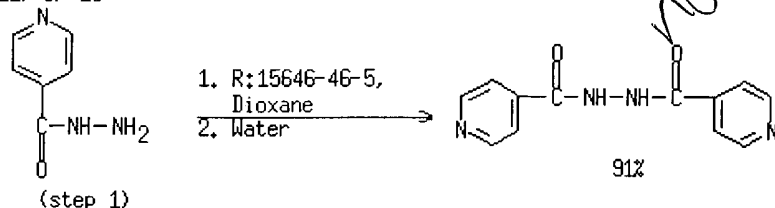
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 20 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full
Text

Citing
References

RX(12) OF 16



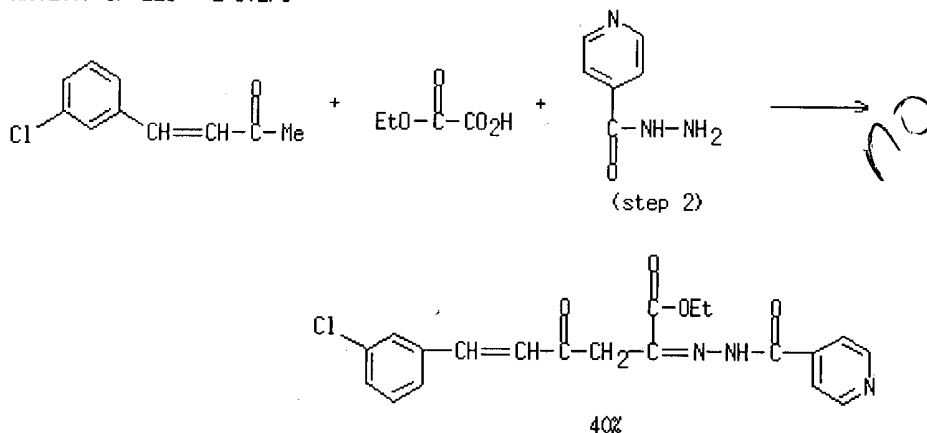
AN 129:343438 CASREACT

TI Migration of an acyl group in the pyrazole system: synthesis of
1-acyl-3-hydroxy-1H-pyrazoles and related derivatives. A new preparation
of N,N '-diacylhydrazines
AU Kepe, Vladimir; Pozgan, Franc; Golobic, Amalija; Polanc, Slovenko;
Kocevar, Marijan
CS Faculty of Chemistry and Chemical Technology, University of Ljubljana,
Ljubljana, 1000, Slovenia
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and
Bio-Organic Chemistry (1998), (17), 2813-2816
CODEN: JCPRB4; ISSN: 0300-922X
PB Royal Society of Chemistry
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 21 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

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References

RX(107) OF 126 - 2 STEPS



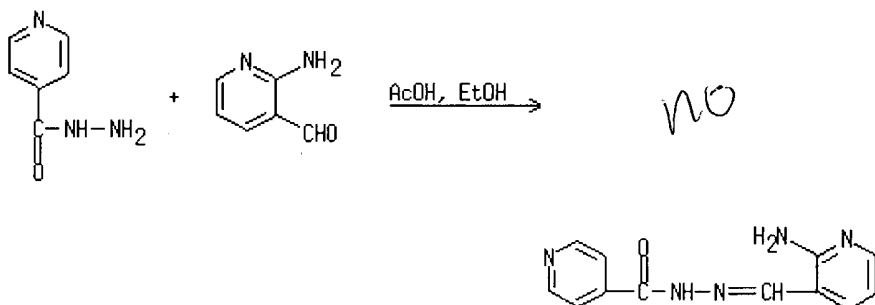
RX(114) OF 126 - REACTION DIAGRAM NOT AVAILABLE

AN 114:207194 CASREACT
TI Synthesis of nitrogenous compounds. Part II
AU Mokhtar, Hassan M.
CS Fac. Sci., Alexandria Univ., Alexandria, Egypt
SO Pakistan Journal of Scientific and Industrial Research (1990), 33(1-2),
30-6
CODEN: PSIRAA; ISSN: 0030-9885
DT Journal
LA English

L3 ANSWER 22 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
References

RX(12) OF 36

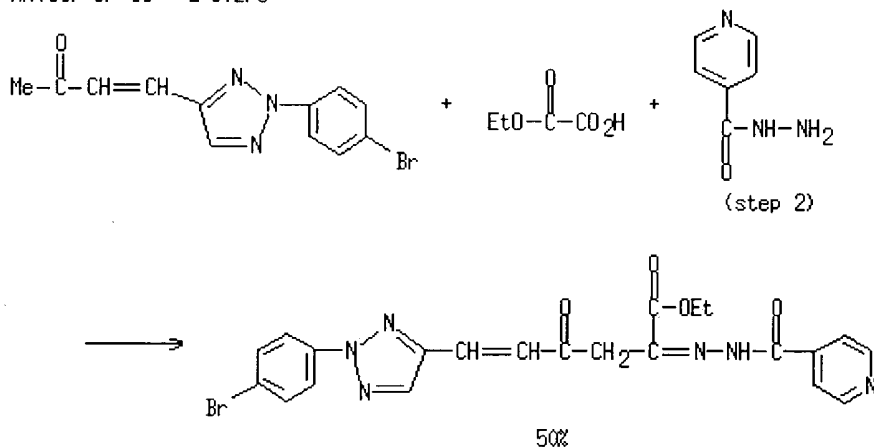


AN 112:77020 CASREACT
 TI Synthesis of 2-(2-amino-3-pyridyl)-3-[substituted (benzoylamino)]-4-thiazolidinones
 AU Rao, G. Rama; Chary, M. Thirumala; Mogilaiah, K.; Swamy, B.; Sreenivasulu, B.
 CS Dep. Chem., Kakatiya Univ., Warangal, 506 009, India
 SO Journal of the Indian Chemical Society (1989), 66(1), 61-3
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English

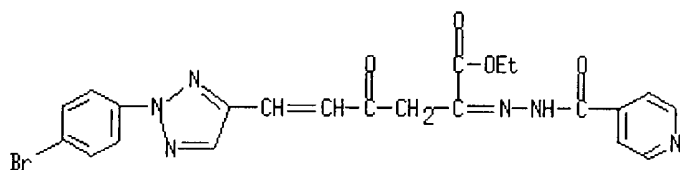
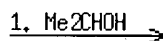
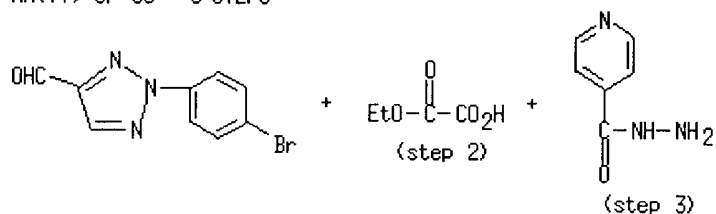
L3 ANSWER 23 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(59) OF 93 - 2 STEPS



RX(77) OF 93 - 3 STEPS



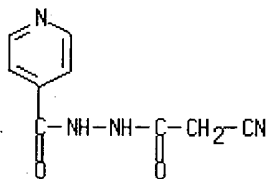
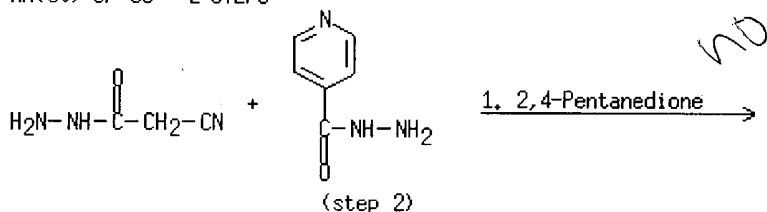
50%

AN	111:57614 CASREACT
TI	Synthesis of trisubstituted pyrazoles with possible antimicrobial activity
AU	Mokhtar, Hassan M.
CS	Fac. Sci., Alexandria Univ., Alexandria, Egypt
SO	Pakistan Journal of Scientific and Industrial Research (1988), 31(11), 762-7
	CODEN: PSIRAA; ISSN: 0030-9885
DT	Journal
LA	English

L3 ANSWER 24 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full
Text

RX(30) OF 38 - 2 STEPS

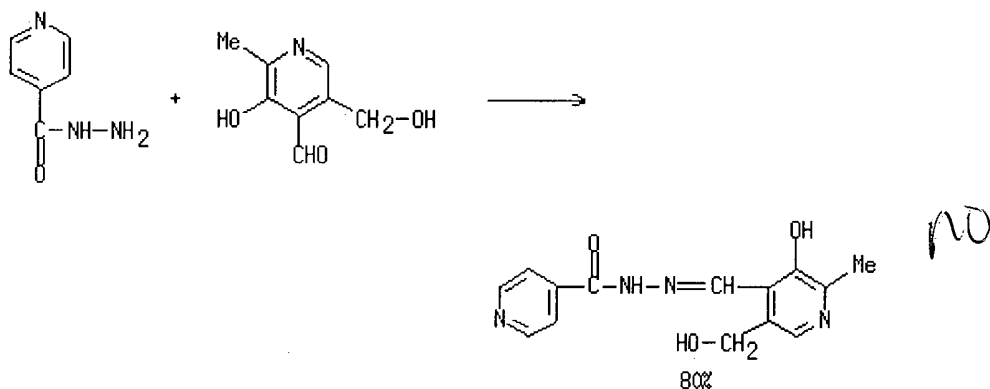


AN 111:7282 CASREACT
TI Cancerostatics. V. Synthesis of some acylhydrazine derivatives
AU Balicki, Roman; Nantka-Namirski, Pawel
CS Inst. Org. Chem., Pol. Acad. Sci., Warsaw, 01224, Pol.
SO Acta Poloniae Pharmaceutica (1988), 45(1), 1-7
CODEN: APPHAX; ISSN: 0001-6837
DT Journal
LA English

L3 ANSWER 25 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full
Text

RX(4) OF 42

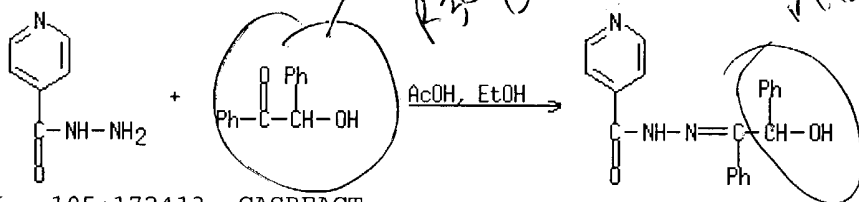


AN 109:148991 CASREACT
 TI Synthesis of new acylhydrazones as iron-chelating compounds
 AU Edward, John T.; Gauthier, Mario; Chubb, Francis L.; Ponka, Premysl
 CS Dep. Chem., McGill Univ., Montreal, QC, H3A 2K6, Can.
 SO Journal of Chemical and Engineering Data (1988), 33(4), 538-40
 CODEN: JCEAAX; ISSN: 0021-9568
 DT Journal
 LA English

L3 ANSWER 26 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(26) OF 32

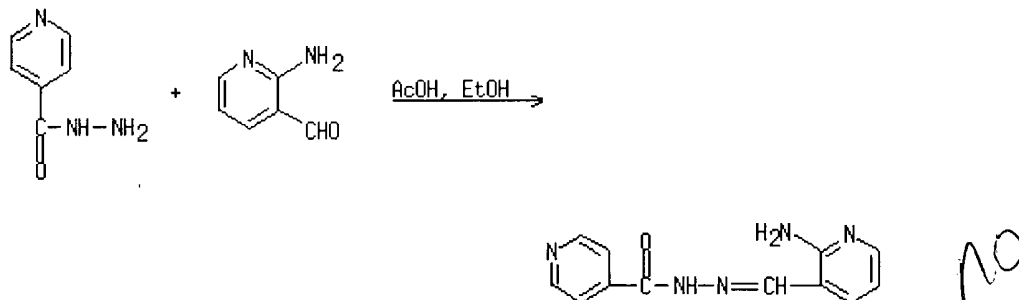


AN 105:172413 CASREACT
 TI Benzoxadiazines. Part III. Synthesis of 2,5,6-triaryl-4H-1,3,4-oxadiazines
 AU Rao, V. Rajeshwar; Rao, T. V. Padmanabha
 CS Dep. Chem., Kakatiya Univ., Warangal, 506 009, India
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1985), 24B(9), 979-81
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English

L3 ANSWER 27 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(14) OF 15



AN 104:148702 CASREACT

TI Synthesis of 2-aminonicotinaldehyde hydrazones as possible antimicrobial agents

AU Mogilaiah, K.; Reddy, K. Vijayender; Sreenivasulu, B.

CS Dep. Chem., Kakatiya Univ., Warangal, 506 009, India

SO Journal of the Indian Chemical Society (1985), 62(3), 259-61

CODEN: JICSAH; ISSN: 0019-4522

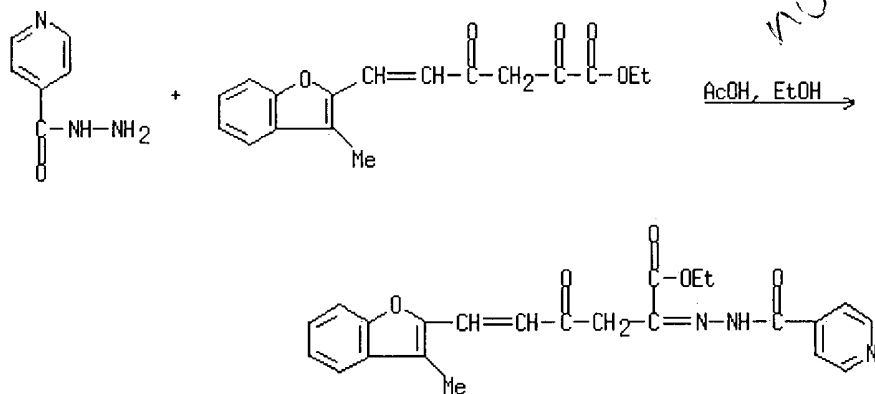
DT Journal

LA English

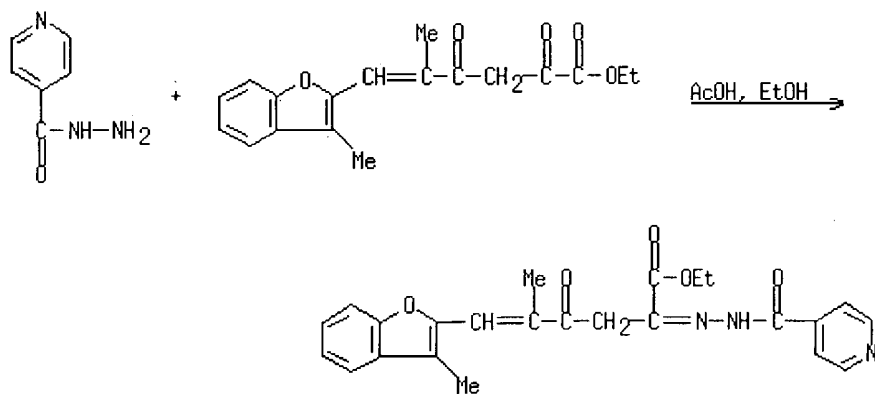
L3 ANSWER 28 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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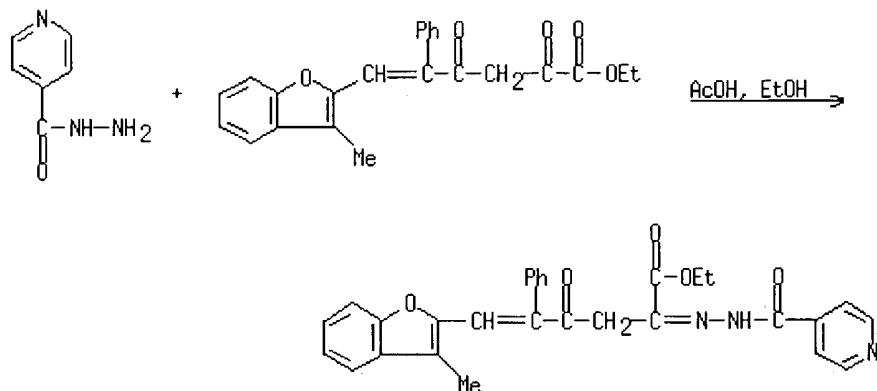
RX(85) OF 375



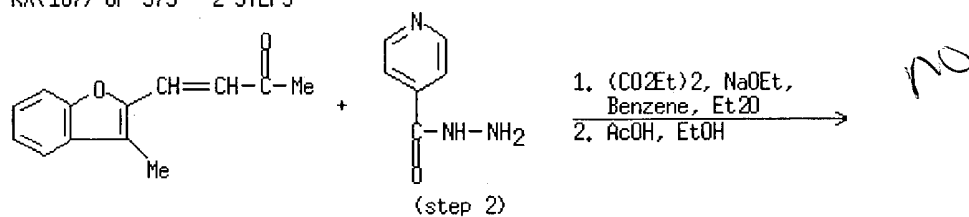
RX(87) OF 375



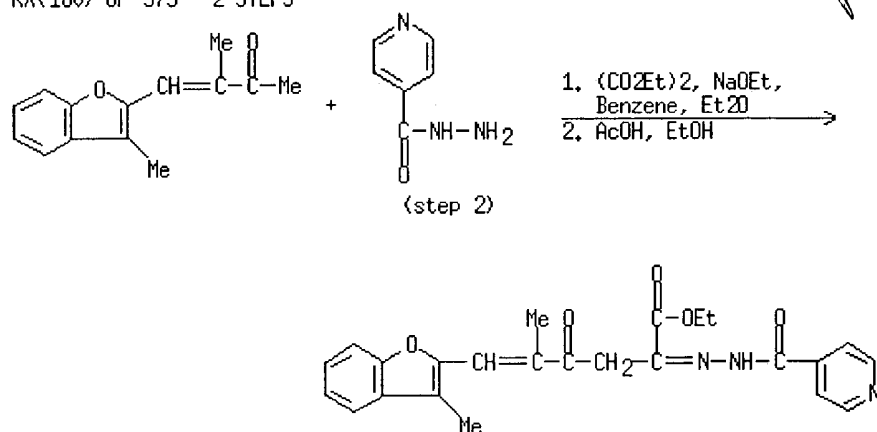
RX(89) OF 375



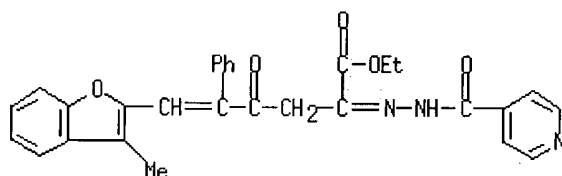
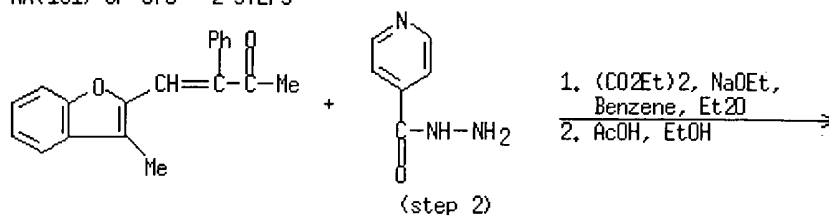
RX(167) OF 375 - 2 STEPS



RX(180) OF 375 - 2 STEPS

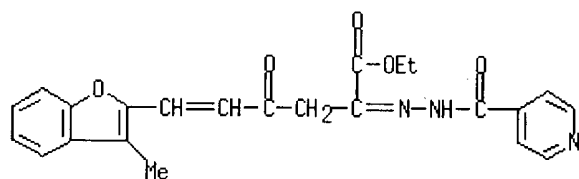
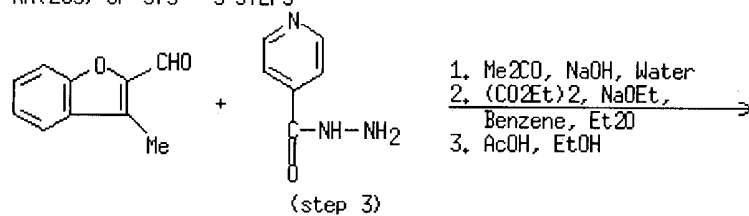


RX(191) OF 375 - 2 STEPS



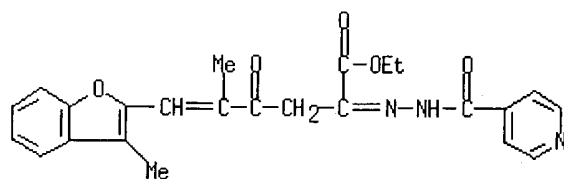
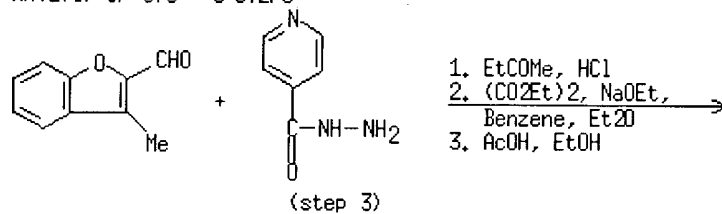
NO

RX(265) OF 375 - 3 STEPS



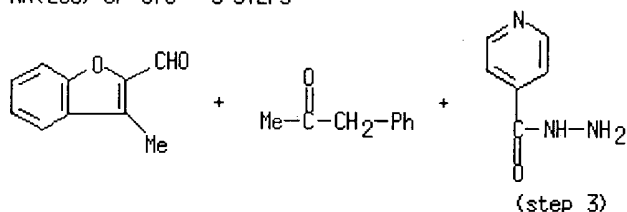
NO

RX(278) OF 375 - 3 STEPS

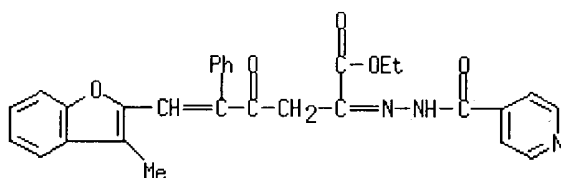


NO

RX(289) OF 375 - 3 STEPS



1. HCl
 2. $(CO_2Et)_2$, NaOEt,
 Benzene, Et₂O
 3. AcOH, EtOH



AN 104:50817 CASREACT

TI Synthesis of nitrogenous compounds from δ -unsaturated 1,3-dicarbonyl esters: trisubstituted pyrazoles of possible antimicrobial and hypoglycemic activities and hydrazones with antituberculosis activity

AU Mokhtar, Hassan M.; Wojtanis, J.

CS Fac. Sci., Alexandria Univ., Egypt

SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1985), 24B(2), 188-92

CODEN: IJSBDB; ISSN: 0376-4699

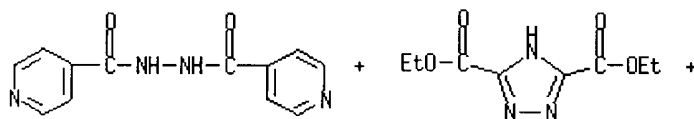
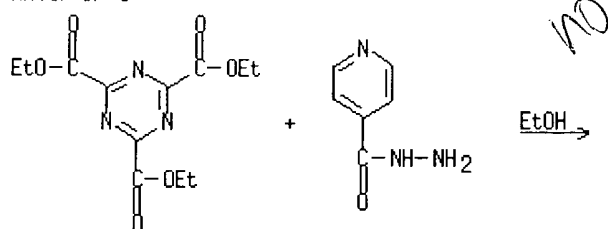
DT Journal

LA English

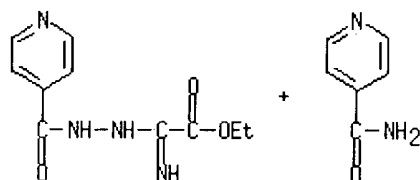
L3 ANSWER 29 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

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References

RX(3) OF 3



RX(3) OF 3



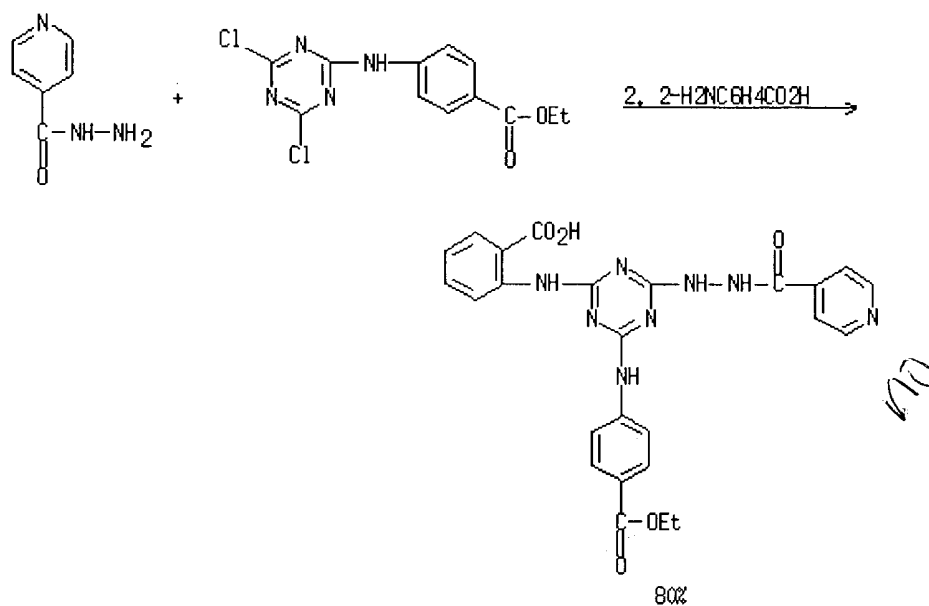
NOTE: product compn. depends on mole ratios

AN 103:123451 CASREACT
 TI Derivatives of sym-triazine. 6. 3,5-Bis(ethoxycarbonyl)-1,2,4-triazole
 from 2,4,6-tris(ethoxycarbonyl)-1,3,5-triazine and acylhydrazines
 AU Alekseeva, N. V.; Yakhontov, L. N.
 CS Vses. Nauchno-Issled. Khim.-Farm. Inst., Moscow, 119021, USSR
 SO Khimiya Geterotsiklicheskikh Soedinenii (1985), (5), 700-4
 CODEN: KGSSAQ; ISSN: 0453-8234
 DT Journal
 LA Russian

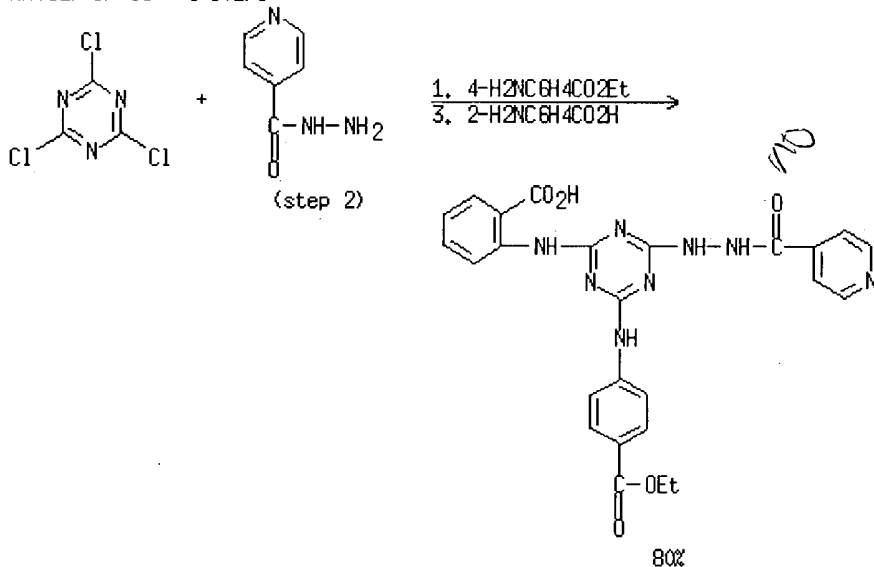
L3 ANSWER 30 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

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 Text References

RX(19) OF 39 - 2 STEPS



RX(31) OF 39 - 3 STEPS



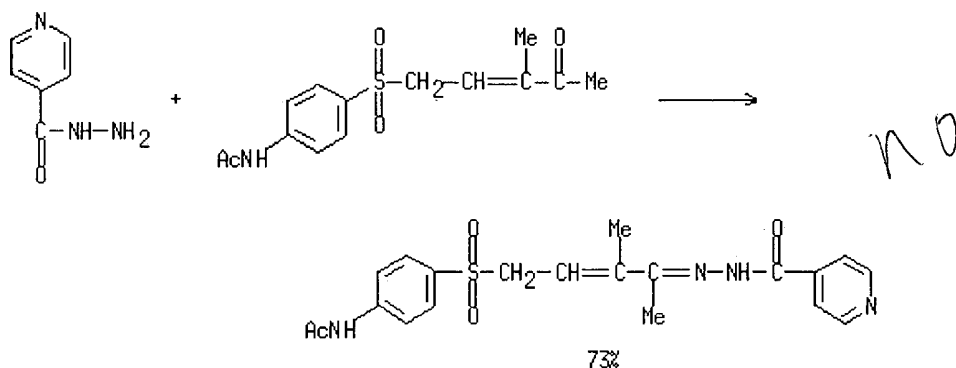
AN 98:72064 CASREACT

TI Studies on antitubercular agents. Preparation of 2-arylamino-4-(4-carbethoxyanilino)-6-isonicotinylhydrazino-1,3,5-triazine
 AU Shukla, H. K.; Langalia, N. A.; Desai, N. C.; Thaker, K. A.
 CS Univ. Dep. Chem., Bhavnagar Univ., Bhavnagar, 364 002, India
 SO Journal of the Indian Chemical Society (1982), 59(9), 1101-2
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English

L3 ANSWER 31 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
 Text References

RX(15) OF 22

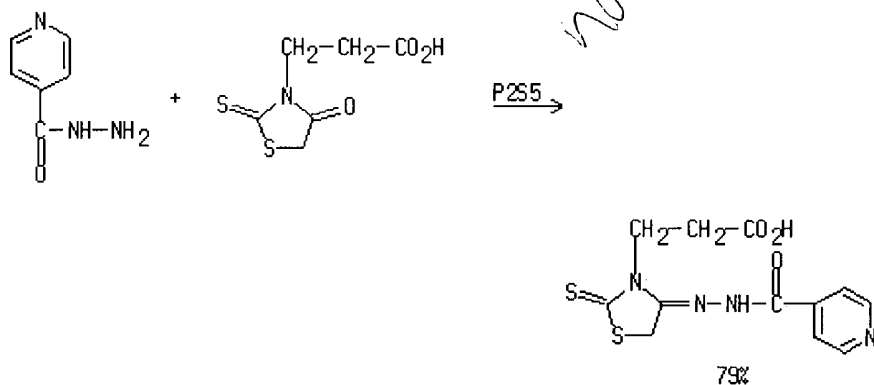


AN 98:16354 CASREACT
 TI Azomethine derivative of sulfonyl-substituted α,β -unsaturated ketones. Synthesis and tuberculostatic activity
 AU Bulat, A. D.; Antipov, M. A.; Passet, B. V.; Vishnevskii, B. I.; Aleksandrova, A. E.
 CS Leningr. Khim.-Farm. Inst., Leningrad, USSR
 SO Khimiko-Farmatsevticheskii Zhurnal (1982), 16(8), 924-7
 CODEN: KHFZAN; ISSN: 0023-1134
 DT Journal
 LA Russian

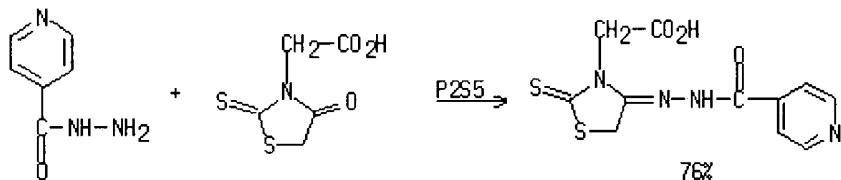
L3 ANSWER 32 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text Citing
 Text References

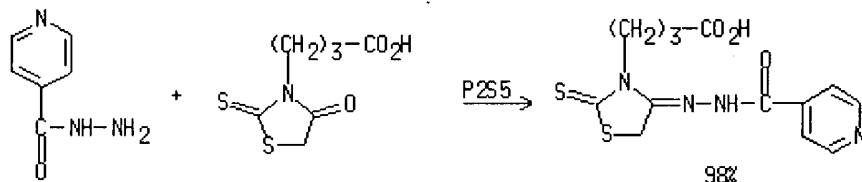
RX(1) OF 4



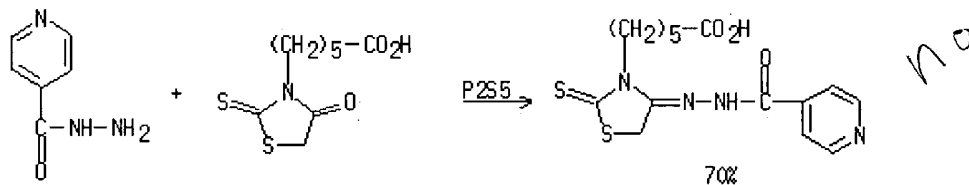
RX(2) OF 4



RX(3) OF 4



RX(4) OF 4



AN 96:104132 CASREACT

TI Synthesis of 3-carboxyalkylthiazolidine-2,4-dithione-4-isonicotinyldrazones

AU Ganitkevich, M. I.

CS USSR

SO Vestnik L'vovskogo Politekhnikheskogo Instituta (1981), 149, 71-2
CODEN: VLPJAZ; ISSN: 0460-0436

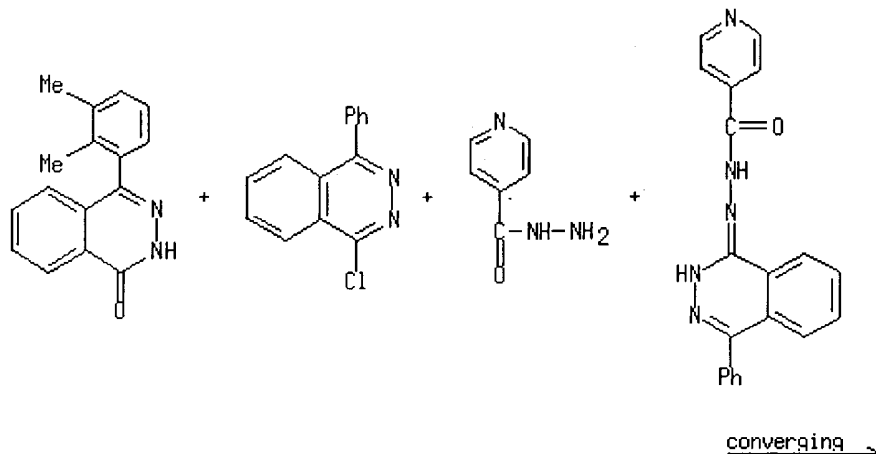
DT Journal

LA Russian

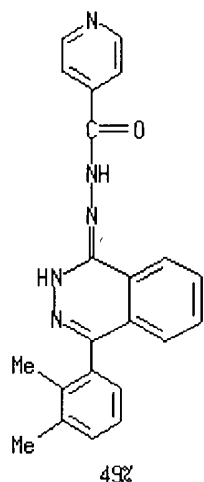
L3 ANSWER 33 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

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References

RX(110) OF 114 - 3 STEPS



RX(110) OF 114 - 3 STEPS



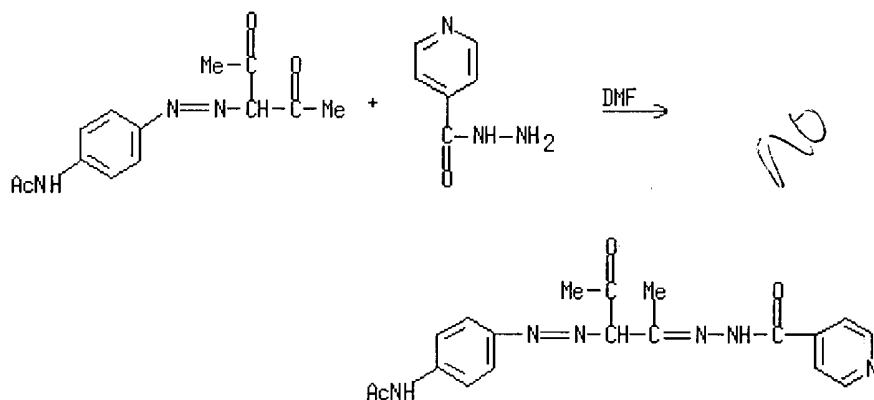
no

AN 94:139721 CASREACT
 TI Synthesis and reactions of phthalazine derivatives
 AU Merchant, J. R.; Kulkarni, S. D.; Venkatesh, M. S.
 CS Dep. Org. Chem., Inst. Sci., Bombay, 400 032, India
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including
 Medicinal Chemistry (1980), 19B(10), 914-16
 CODEN: IJSBDB; ISSN: 0376-4699
 DT Journal
 LA English

L3 ANSWER 34 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

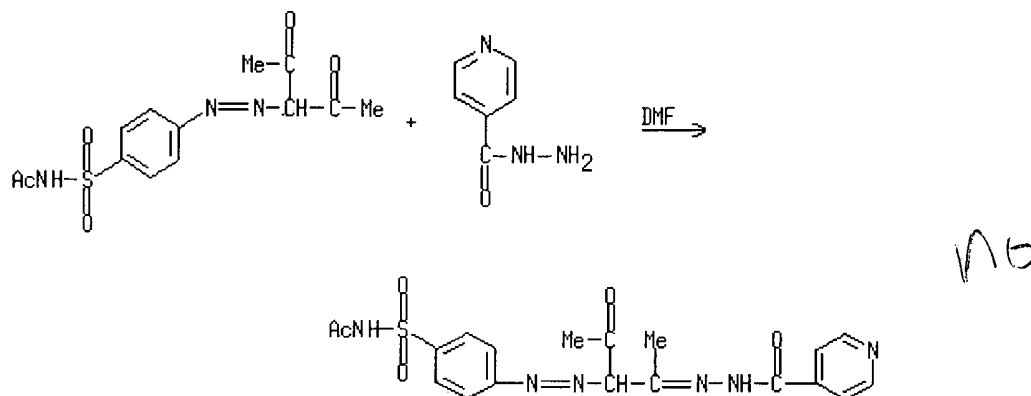
Full
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References

RX(20) OF 47



no

RX(27) OF 47

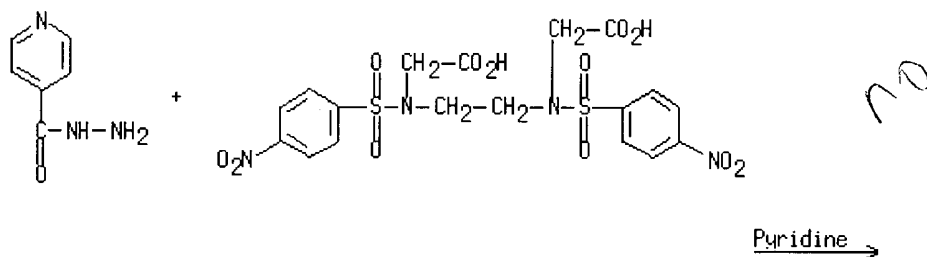


AN 93:204522 CASREACT
 TI Synthesis of N1-isonicotinyl-3,5-dimethyl-4-(substituted azo)-1,2-diazole
 AU Ojha, A. C.; Singh, C. P.
 CS Chem. Lab., Sahu Jain Coll., Najibabad, India
 SO Journal of the Indian Chemical Society (1979), 56(12), 1233-6
 CODEN: JICSAH; ISSN: 0019-4522
 DT Journal
 LA English

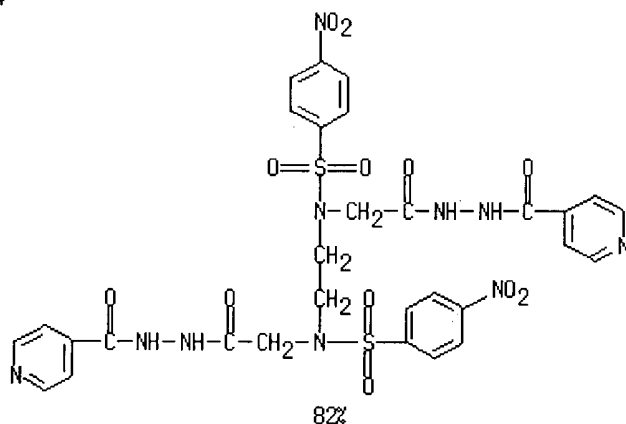
L3 ANSWER 35 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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RX(3) OF 4

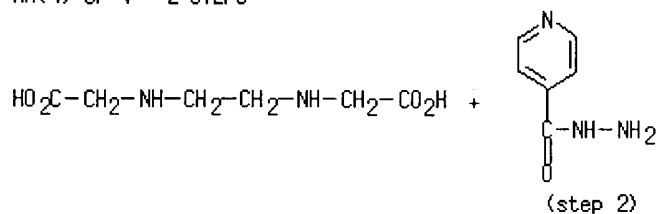


RX(3) OF 4



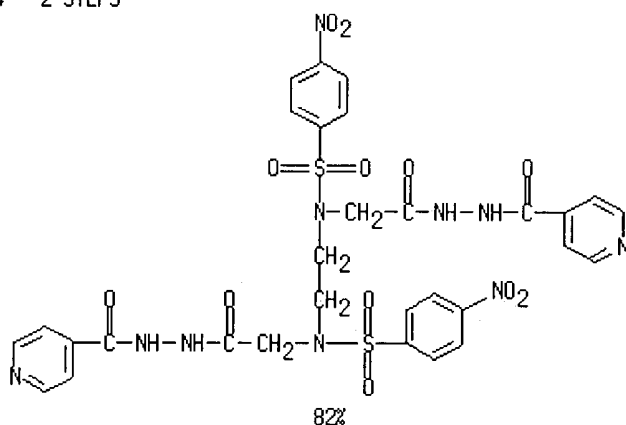
NOTE: Classification: Condensation; N-Acylation; # Conditions: PC13
 pyridine; 3h st bath

RX(4) OF 4 - 2 STEPS



1. 4-O₂NC₆H₄SO₂Cl,
 Water
 2. Pyridine

RX(4) OF 4 - 2 STEPS



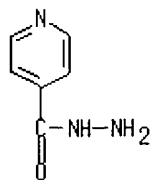
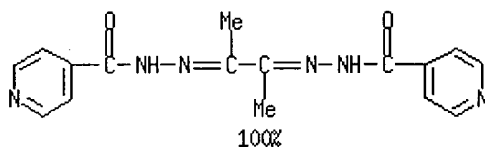
NOTE: 1) Classification: Condensation; N-Sulphonation; # Conditions:
 NaOH H₂O; 40-45 deg; # Comments: Yield >44%; 2) Classification:
 Condensation; N-Acylation; # Conditions: PCl₃ pyridine; 3h st
 bath

AN 55:137489 CASREACT
 TI N,N'-Ethylenebisglycine derivatives
 AU Baganz, Horst; Wille, Roland
 CS Tech. Univ., Berlin-Charlottenburg
 SO Chemische Berichte (1961), 94, 2134-7
 CODEN: CHBEAM; ISSN: 0009-2940
 DT Journal
 LA Unavailable

L3 ANSWER 36 OF 36 CASREACT COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

RX(1) OF 1


 $\xrightarrow{\text{MeCOCOMe, Me}_2\text{CHOH}}$


No

NOTE: Classification: Condensation; Hydrazination; # Conditions: i-PrOH
st bath

AN 50:89193 CASREACT

TI Synthetic tuberculostats. XI. Trialkyl and other derivatives of
isonicotinylhydrazine

AU Fox, H. Herbert; Gibas, J. T.

CS Hoffmann-La Roche, Inc., Nutley, NJ

SO Journal of Organic Chemistry (1956), 21, 356-61

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA Unavailable

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